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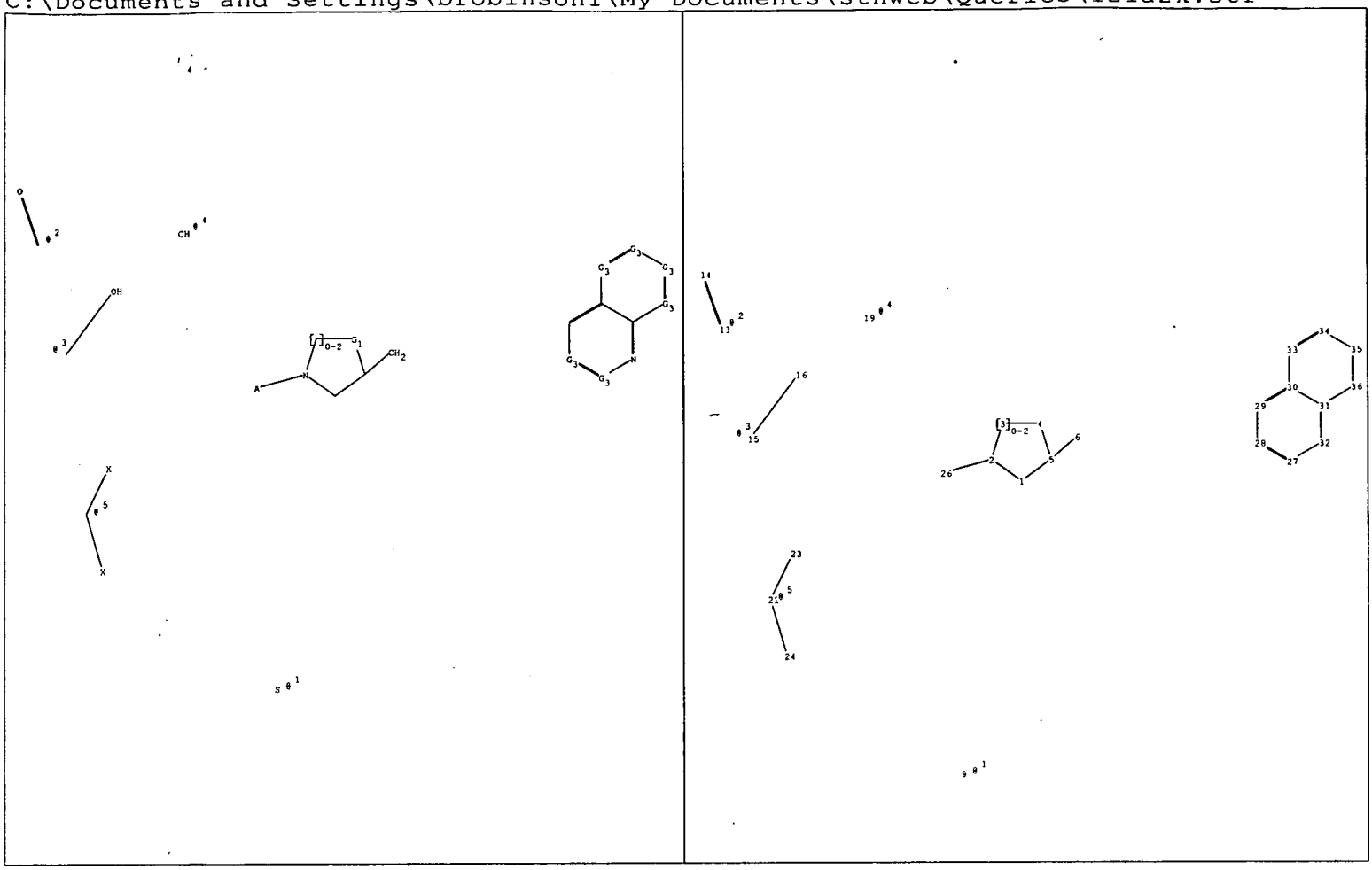

chain nodes :
6 9 13 14 15 16 19 22 23 24 26
ring nodes :
1 2 3 4 5 27 28 29 30 31 32 33 34 35 36
chain bonds :
2-26 5-6 13-14 15-16 22-23 22-24
ring bonds :
1-2 1-5 2-3 3-4 4-5 27-28 27-32 28-29 29-30 30-31 30-33 31-32
31-36 33-34 34-35 35-36
exact/norm bonds :
1-2 1-5 2-3 2-26 3-4 4-5 5-6 13-14 15-16 22-23 22-24 27-28
27-32 28-29 29-30 30-31 30-33 31-32 31-36 33-34 34-35 35-36
isolated ring systems :
containing 1 :

G1:CH2,O,[*1]

G2:[*2],[*3],[*4],[*5]

G3:C,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 9:CLASS 13:CLASS
14:CLASS 15:CLASS 16:CLASS 19:CLASS 22:CLASS 23:CLASS 24:CLASS
26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:Atom 31:Atom 32:Atom 33:CLASS
34:CLASS 35:CLASS 36:CLASS

~~10508761~~ 10810711

=> d his

(FILE 'HOME' ENTERED AT 16:43:46 ON 25 JAN 2007)

FILE 'REGISTRY' ENTERED AT 16:43:54 ON 25 JAN 2007
L1 STRUCTURE UPLOADED
L2 0 S L1
L3 37 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 16:53:32 ON 25 JAN 2007
L4 1 S L3

FILE 'CAOLD' ENTERED AT 16:53:59 ON 25 JAN 2007
L5 0 S L3

FILE 'REGISTRY' ENTERED AT 16:54:06 ON 25 JAN 2007
L6 STRUCTURE UPLOADED
L7 0 S L6
L8 STRUCTURE UPLOADED
L9 0 S L8
L10 STRUCTURE UPLOADED
L11 0 S L10
L12 STRUCTURE UPLOADED
L13 0 S L12
L14 35 S L12 FULL

FILE 'HCAPLUS' ENTERED AT 17:09:54 ON 25 JAN 2007
L15 1 S L14

FILE 'REGISTRY' ENTERED AT 17:10:06 ON 25 JAN 2007
L16 STRUCTURE UPLOADED
L17 0 S L16
L18 STRUCTURE UPLOADED
L19 0 S L18
L20 STRUCTURE UPLOADED
L21 0 S L20
L22 0 S L20FULL
L23 35 S L20 FULL
L24 0 S L23 NOT L14

FILE 'REGISTRY' ENTERED AT 17:15:33 ON 25 JAN 2007
L25 STRUCTURE UPLOADED
L26 0 S L25
L27 STRUCTURE UPLOADED
L28 0 S L27
L29 35 S L27 FULL
L30 STRUCTURE UPLOADED
L31 0 S L30
L32 35 S L30 FULL
L33 STRUCTURE UPLOADED
L34 STRUCTURE UPLOADED
L35 0 S L34
L36 6 S L34 FULL

FILE 'HCAPLUS' ENTERED AT 17:24:05 ON 25 JAN 2007
L37 5 S L36

FILE 'CAOLD' ENTERED AT 17:24:31 ON 25 JAN 2007

Updated Search

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=> s l36
L38             0 L36

=> s l23
L39             0 L23

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Updated Search

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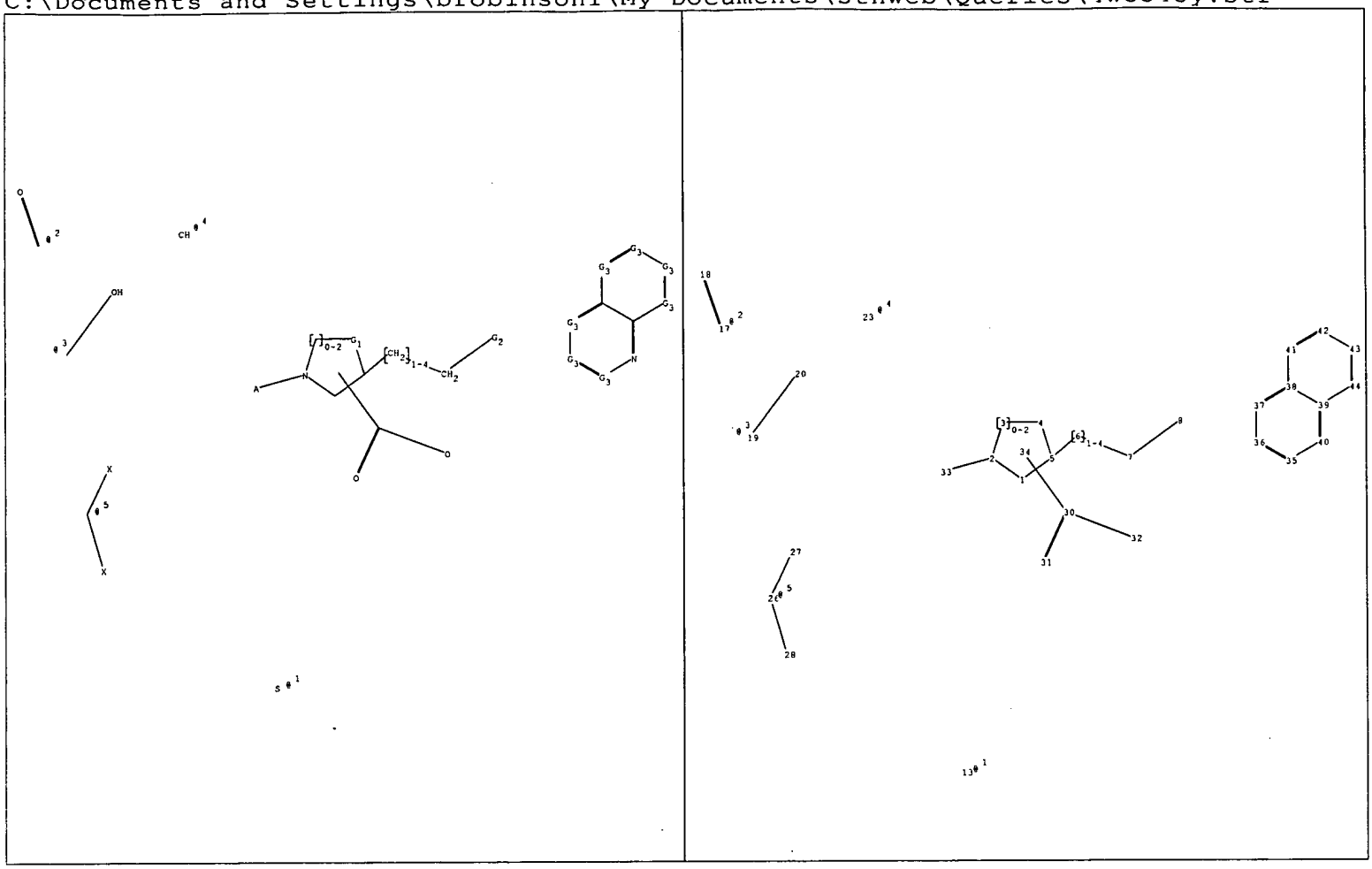

chain nodes :
6 7 8 13 17 18 19 20 23 26 27 28 30 31 32 33
ring nodes :
1 2 3 4 5 35 36 37 38 39 40 41 42 43 44
chain bonds :
2-33 5-6 6-7 7-8 17-18 19-20 26-27 26-28 30-32 30-31
ring bonds :
1-2 1-5 2-3 3-4 4-5 35-36 35-40 36-37 37-38 38-39 38-41 39-40
39-44 41-42 42-43 43-44
exact/norm bonds :
1-2 1-5 2-3 2-33 3-4 4-5 5-6 6-7 7-8 17-18 19-20 26-27 26-28
30-32 30-31 35-36 35-40 36-37 37-38 38-39 38-41 39-40 39-44 41-42
42-43 43-44
isolated ring systems :
containing 1 :

G1:CH2,O,[*1]

G2:[*2],[*3],[*4],[*5]

G3:C,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 13:CLASS
17:CLASS 18:CLASS 19:CLASS 20:CLASS 23:CLASS 26:CLASS 27:CLASS
28:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS
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44:CLASS

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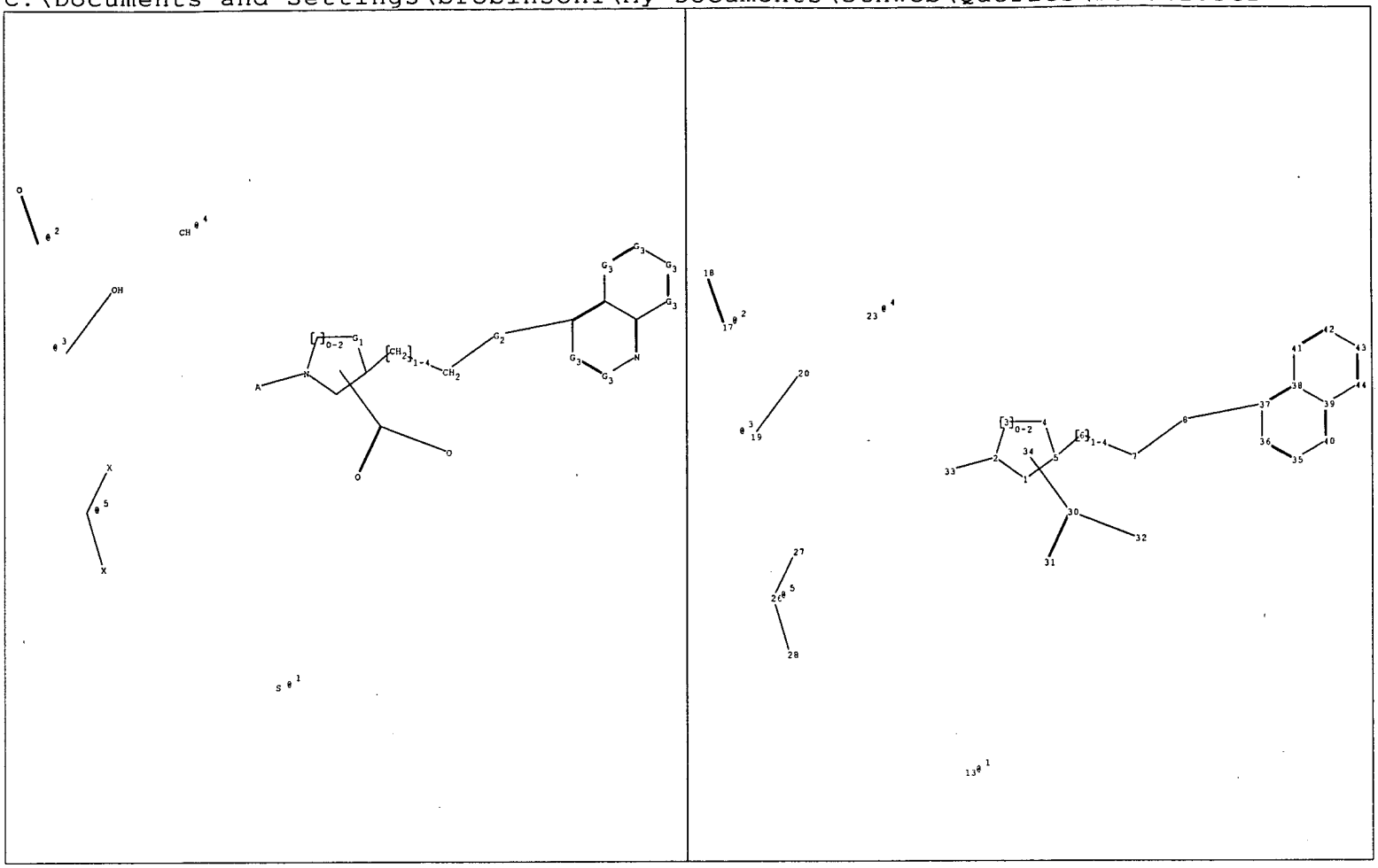

chain nodes :
6 7 8 13 17 18 19 20 23 26 27 28 30 31 32 33
ring nodes :
1 2 3 4 5 35 36 37 38 39 40 41 42 43 44
chain bonds :
2-33 5-6 6-7 7-8 8-37 17-18 19-20 26-27 26-28 30-32 30-31
ring bonds :
1-2 1-5 2-3 3-4 4-5 35-36 35-40 36-37 37-38 38-39 38-41 39-40
39-44 41-42 42-43 43-44
exact/norm bonds :
1-2 1-5 2-3 2-33 3-4 4-5 5-6 6-7 7-8 8-37 17-18 19-20 26-27
26-28 30-32 30-31 35-36 35-40 36-37 37-38 38-39 38-41 39-40 39-44
41-42 42-43 43-44
isolated ring systems :
containing 1 :

G1:CH2,O,[*1]

G2:[*2],[*3],[*4],[*5]

G3:C,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 13:CLASS
17:CLASS 18:CLASS 19:CLASS 20:CLASS 23:CLASS 26:CLASS 27:CLASS
28:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS
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44:CLASS

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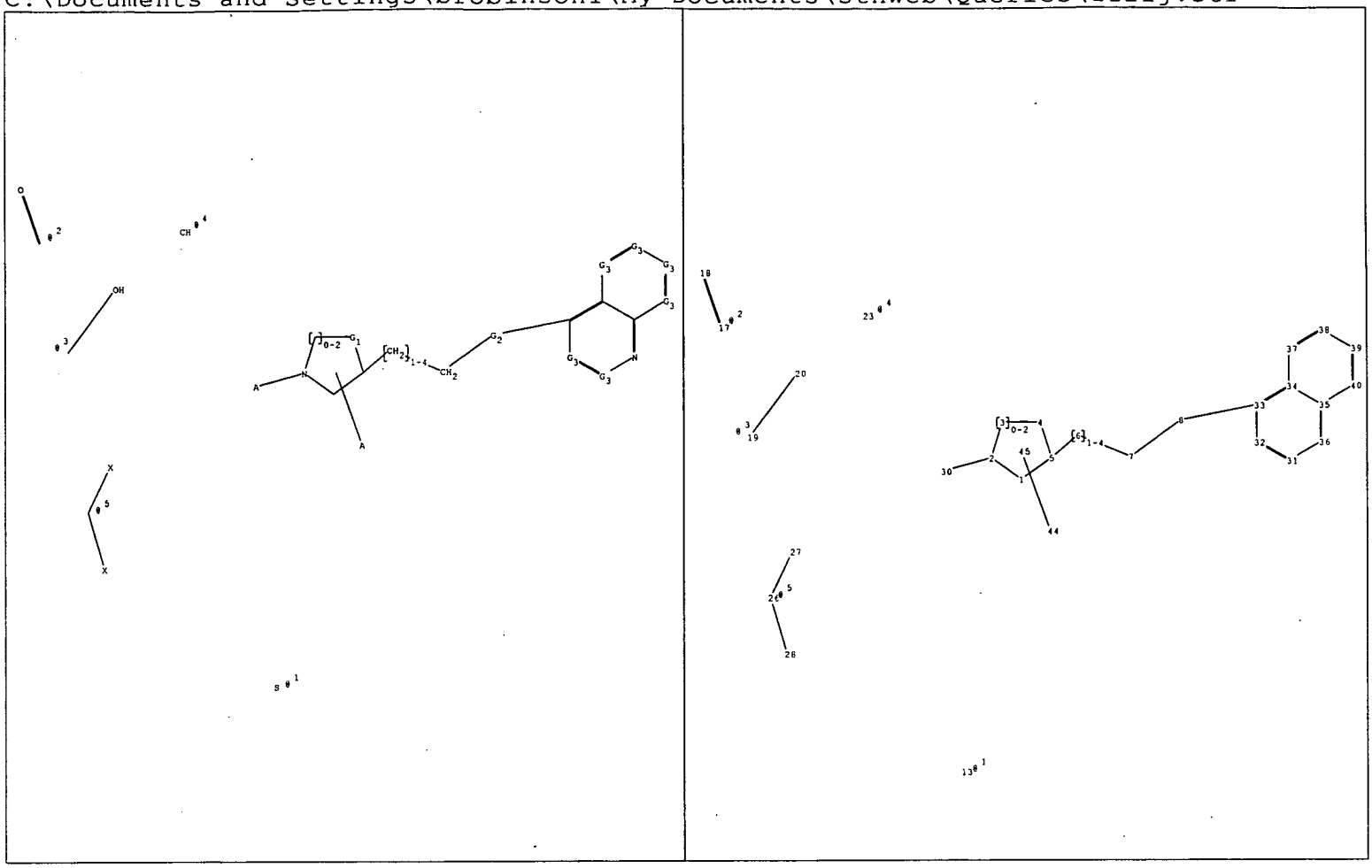

chain nodes :
6 7 8 13 17 18 19 20 23 26 27 28 30 44
ring nodes :
1 2 3 4 5 31 32 33 34 35 36 37 38 39 40
chain bonds :
2-30 5-6 6-7 7-8 8-33 17-18 19-20 26-27 26-28
ring bonds :
1-2 1-5 2-3 3-4 4-5 31-32 31-36 32-33 33-34 34-35 34-37 35-36
35-40 37-38 38-39 39-40
exact/norm bonds :
1-2 1-5 2-3 2-30 3-4 4-5 5-6 6-7 7-8 8-33 17-18 19-20 26-27
26-28 31-32 31-36 32-33 33-34 34-35 34-37 35-36 35-40 37-38 38-39
39-40
isolated ring systems :
containing 1 :

G1:CH2,O,[*1]

G2:[*2],[*3],[*4],[*5]

G3:C,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 13:CLASS
17:CLASS 18:CLASS 19:CLASS 20:CLASS 23:CLASS 26:CLASS 27:CLASS
28:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:Atom 35:Atom 36:Atom
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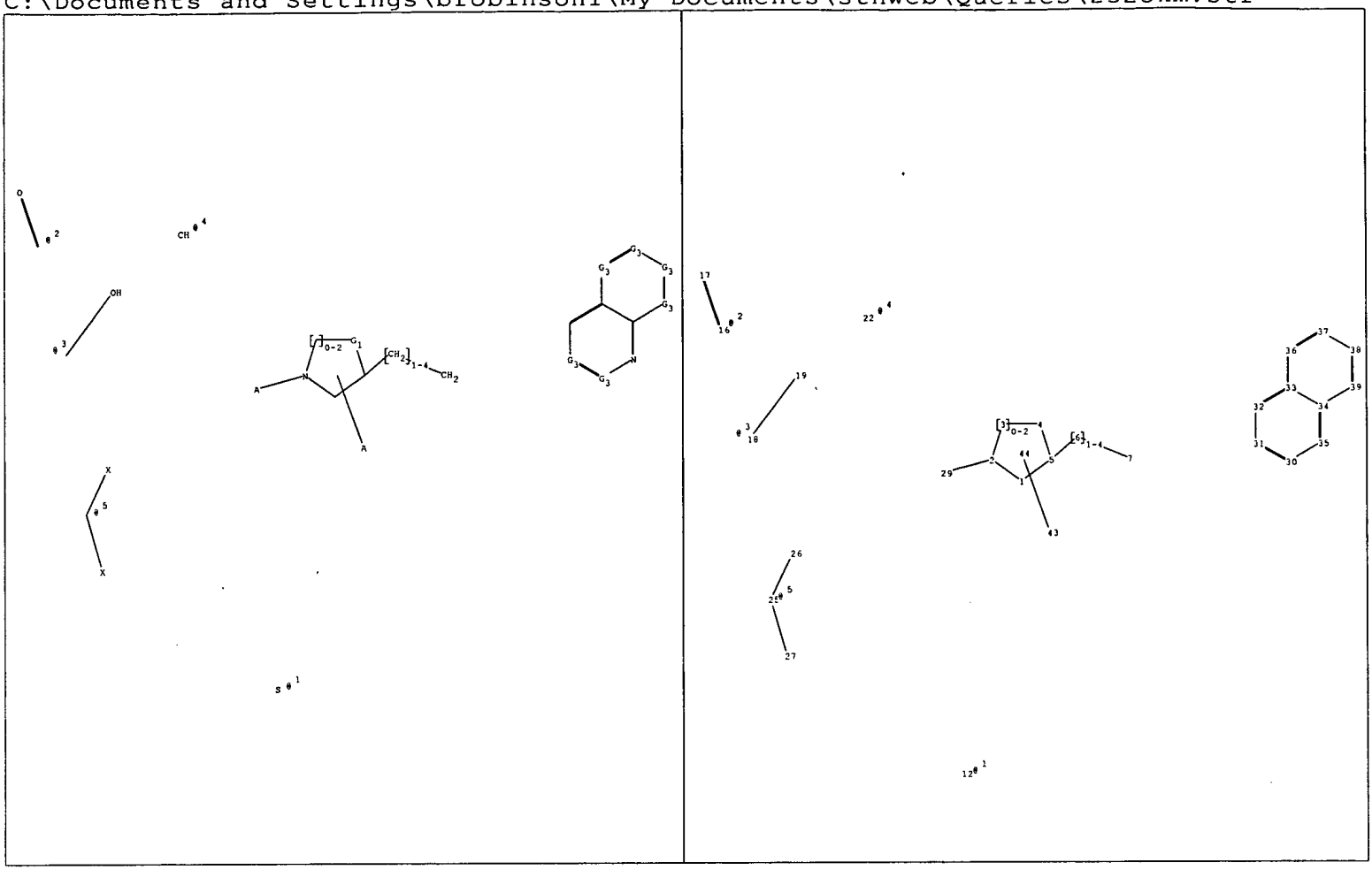


chain nodes :
6 7 12 16 17 18 19 22 25 26 27 29 43
ring nodes :
1 2 3 4 5 30 31 32 33 34 35 36 37 38 39
chain bonds :
2-29 5-6 6-7 16-17 18-19 25-26 25-27
ring bonds :
1-2 1-5 2-3 3-4 4-5 30-31 30-35 31-32 32-33 33-34 33-36 34-35
34-39 36-37 37-38 38-39
exact/norm bonds :
1-2 1-5 2-3 2-29 3-4 4-5 5-6 6-7 16-17 18-19 25-26 25-27 30-31
30-35 31-32 32-33 33-34 33-36 34-35 34-39 36-37 37-38 38-39
isolated ring systems :
containing 1 :

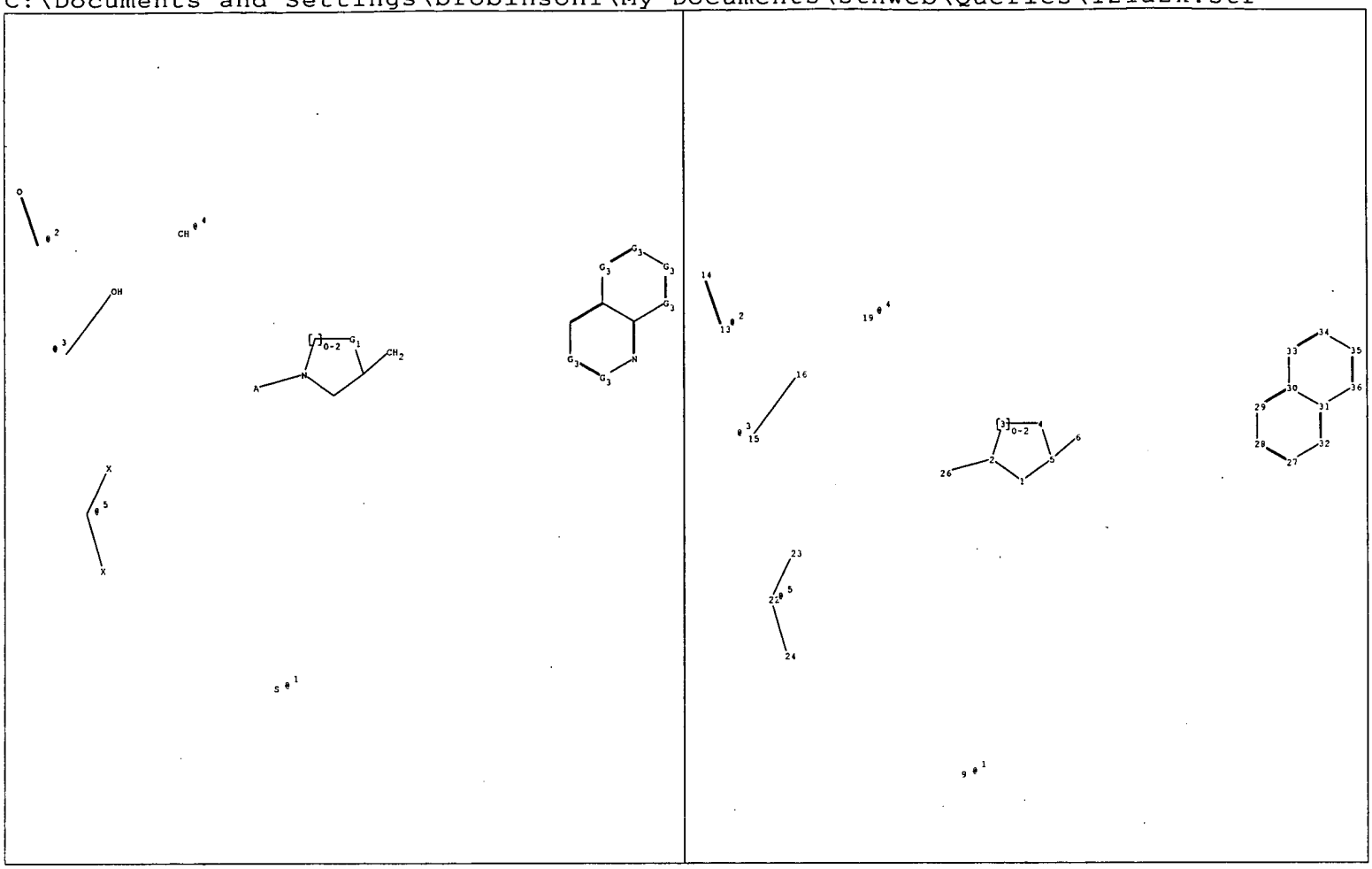
G1:CH2,O,[*1]

G2:[*2],[*3],[*4],[*5]

G3:C,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 12:CLASS
16:CLASS 17:CLASS 18:CLASS 19:CLASS 22:CLASS 25:CLASS 26:CLASS
27:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:Atom 34:Atom 35:Atom
36:CLASS 37:CLASS 38:CLASS 39:CLASS 43:CLASS 44:CLASS

C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\121a2k.str



chain nodes :
6 9 13 14 15 16 19 22 23 24 26
ring nodes :
1 2 3 4 5 27 28 29 30 31 32 33 34 35 36
chain bonds :
2-26 5-6 13-14 15-16 22-23 22-24
ring bonds :
1-2 1-5 2-3 3-4 4-5 27-28 27-32 28-29 29-30 30-31 30-33 31-32
31-36 33-34 34-35 35-36
exact/norm bonds :
1-2 1-5 2-3 2-26 3-4 4-5 5-6 13-14 15-16 22-23 22-24 27-28
27-32 28-29 29-30 30-31 30-33 31-32 31-36 33-34 34-35 35-36
isolated ring systems :
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G1:CH2,O,[*1]

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G3:C,N

Match level :
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14:CLASS 15:CLASS 16:CLASS 19:CLASS 22:CLASS 23:CLASS 24:CLASS
26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:Atom 31:Atom 32:Atom 33:CLASS
34:CLASS 35:CLASS 36:CLASS

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Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1612bxr

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
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NEWS	3	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS	4	OCT 30	CHEMLIST enhanced with new search and display field
NEWS	5	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS	6	NOV 10	CA/CAplus F-Term thesaurus enhanced
NEWS	7	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS	8	NOV 20	CAS Registry Number crossover limit increased to 300,000 in additional databases
NEWS	9	NOV 20	CA/CAplus to MARPAT accession number crossover limit increased to 50,000
NEWS	10	DEC 01	CAS REGISTRY updated with new ambiguity codes
NEWS	11	DEC 11	CAS REGISTRY chemical nomenclature enhanced
NEWS	12	DEC 14	WPIDS/WPINDEX/WPIX manual codes updated
NEWS	13	DEC 14	GBFULL and FRFULL enhanced with IPC 8 features and functionality
NEWS	14	DEC 18	CA/CAplus pre-1967 chemical substance index entries enhanced with preparation role
NEWS	15	DEC 18	CA/CAplus patent kind codes updated
NEWS	16	DEC 18	MARPAT to CA/CAplus accession number crossover limit increased to 50,000
NEWS	17	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS	18	DEC 27	CA/CAplus enhanced with more pre-1907 records
NEWS	19	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	20	JAN 16	CA/CAplus Company Name Thesaurus enhanced and reloaded
NEWS	21	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	22	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS	23	JAN 22	CA/CAplus updated with revised CAS roles
NEWS	24	JAN 22	CA/CAplus enhanced with patent applications from India

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

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FILE 'HOME' ENTERED AT 16:43:46 ON 25 JAN 2007

=>
=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 24 JAN 2007 HIGHEST RN 918400-64-3
DICTIONARY FILE UPDATES: 24 JAN 2007 HIGHEST RN 918400-64-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

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=>
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L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 16:53:24 FILE 'REGISTRY'

Updated Search

10508761

SAMPLE SCREEN SEARCH COMPLETED - 467 TO ITERATE

100.0% PROCESSED 467 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 8044 TO 10636
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 171.65 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 16:53:29 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 9164 TO ITERATE

100.0% PROCESSED 9164 ITERATIONS 37 ANSWERS
SEARCH TIME: 00.00.01

L3 37 SEA SSS FUL L1

=> file hcaplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 178.85 179.06

FILE 'HCAPLUS' ENTERED AT 16:53:32 ON 25 JAN 2007
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FILE COVERS 1907 - 25 Jan 2007 VOL 146 ISS 5
FILE LAST UPDATED: 24 Jan 2007 (20070124/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3
L4 1 L3

=> d l4, ibib abs hitstr, 1

L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:800851 HCAPLUS

Updated Search

10508761

DOCUMENT NUMBER: 141:314170
TITLE: 4-Substituted quinoline derivatives, the preparation thereof and compositions containing same, useful as antimicrobials
INVENTOR(S): Bigot, Antony; El Ahmad, Youssef; Malleron, Jean Luc; Martin, Jean Paul; Mignani, Serge; Pantel, Guy; Ronan, Baptiste; Tabart, Michel
PATENT ASSIGNEE(S): Aventis Pharma SA, Fr.
SOURCE: Fr. Demande, 67 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2852954	A1	20041001	FR 2003-3812	20030328
FR 2852954	B1	20060714		
US 2004224946	A1	20041111	US 2004-810711	20040326
AU 2004226207	A1	20041014	AU 2004-226207	20040329
CA 2520764	A1	20041014	CA 2004-2520764	20040329
WO 2004087647	A2	20041014	WO 2004-FR783	20040329
WO 2004087647	A3	20050127		
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RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1611127	A2	20060104	EP 2004-742385	20040329
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CN 1795191	A	20060628	CN 2004-80014510	20040329
JP 2006522779	T	20061005	JP 2006-505763	20040329

PRIORITY APPLN. INFO.:

FR 2003-3812	A	20030328
US 2003-487084P	P	20030714
WO 2004-FR783	W	20040329

OTHER SOURCE(S): MARPAT 141:314170
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Quinoline-4-substituted derivs. I are disclosed [wherein X, Y, Z, U, T = C-R1' to CR5' resp., or one or more is a N atom; R1, R1', R2', R3', R4', R5' = independently H, halo, cyclo/alkyl, Ph,phenylthio, mono or bicyclic hetero(aryl)thio, OH and derivs., SH and derivs., NH2 and derivs., acyl, OCF3, OCHF2, CN, CO2H and derivs., NO2, etc.; D = CHR, CO, CROH, CRF, CF2; R = H, alkyl; A = (CH2)m; m = 1-3; B = (CH2)n; n = 0-2; E = CH2, and when Z = O, S, SO, SO2, then n = 2; R2 = CO2R, CH2CH2CO2R, CH2OH, CH2CH2OH, where R is defined as above; R3 = Ph, mono or bicyclic heteroaryl,

Updated Search

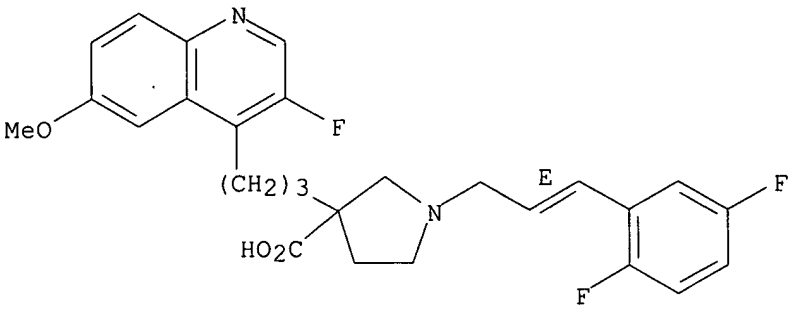
alkylene-R3'', etc.; R3'' = H, halo, OH and derivs., alkylthio, akylsulfinyl, alkylsulfonyl, alkylamino, cycloalkyl, acyl, Ph, OPh, heteroaryloxy, mono and bicyclic heteroaryl, NH2 and derivs., CONH2 and derivs., etc.; their enantiomers or diastereoisomers or their mixts., and/or their syn or anti forms or their mixts.; and their salts]. The novel derivs. are particularly interesting as antimicrobial agents. For example, II was prepared by amination of 2-[(E)-3-chloro-1-propenyl]-1,4-difluorobenzene (preparation given) with amine salt III•2HCl, followed by acidic hydrolysis. Compds. I were active against exptl. infections of mice by Staphylococcus aureus IP 8203 at 5-50 mg/kg s.c. or orally. None of the compds. showed toxicity in mice at 50 mg/kg s.c. (2 administrations).

IT 767355-23-7P, 1-[(E)-3-(2,5-Difluorophenyl)-2-propenyl]-3-[3-(3-fluoro-6-methoxyquinolin-4-yl)propyl]pyrrolidine-3-carboxylic acid
767355-29-3P, (+)-1-[(E)-3-(2,5-Difluorophenyl)-2-propenyl]-3-[3-(3-fluoro-6-methoxyquinolin-4-yl)propyl]pyrrolidine-3-carboxylic acid
767355-31-7P, (-)-1-[(E)-3-(2,5-Difluorophenyl)-2-propenyl]-3-[3-(3-fluoro-6-methoxyquinolin-4-yl)propyl]pyrrolidine-3-carboxylic acid
767355-33-9P, (-)-2-[3-(3-Fluoro-6-methoxyquinolin-4-yl)propyl]-4-[2-[(2,5-difluorophenyl)sulfanyl]ethyl]morpholine-2-carboxylic acid
767355-35-1P, (+)-2-[3-(3-Fluoro-6-methoxyquinolin-4-yl)propyl]-4-[2-[(2,5-difluorophenyl)sulfanyl]ethyl]morpholine-2-carboxylic acid
767355-42-0P, (-)-2-[3-(3-Fluoro-6-methoxyquinolin-4-yl)propyl]-4-[2-(2,5-difluorophenyl)allyl]morpholine-2-carboxylic acid
767355-44-2P, (+)-2-[3-(3-Fluoro-6-methoxyquinolin-4-yl)propyl]-4-[2-(2,5-difluorophenyl)allyl]morpholine-2-carboxylic acid
767355-47-5P, 1-[(E)-3-(2,5-Difluorophenyl)-2-propenyl]-3-[3-(3-fluoro-6-methoxyquinolin-4-yl)propyl]azetidine-3-carboxylic acid
767355-52-2P, 3-[3-(3-Fluoro-6-methoxyquinolin-4-yl)propyl]-1-[2-[(thiophen-2-yl)sulfanyl]ethyl]azetidine-3-carboxylic acid sodium salt
767355-56-6P, 1-[2-(2,5-Difluorophenylsulfanyl)ethyl]-3-[3-(3-fluoro-6-methoxyquinolin-4-yl)propyl]pyrrolidine-3-carboxylic acid
767355-57-7P, 1-[2-(2,5-Difluorophenyloxy)ethyl]-3-[3-(3-fluoro-6-methoxyquinolin-4-yl)propyl]pyrrolidine-3-carboxylic acid
767355-58-8P, 1-[2-(Thiophen-2-ylsulfanyl)ethyl]-3-[3-(3-fluoro-6-methoxyquinolin-4-yl)propyl]pyrrolidine-3-carboxylic acid
767355-60-2P, 1-[(E)-3-(2,5-Difluorophenyl)-2-propenyl]-3-[3-(3-chloro-6-methoxyquinolin-4-yl)propyl]pyrrolidine-3-carboxylic acid
767355-61-3P, 1-[2-(2,5-Difluorophenylsulfanyl)ethyl]-3-[3-(3-chloro-6-methoxyquinolin-4-yl)propyl]pyrrolidine-3-carboxylic acid
767355-62-4P, 1-[2-(2,5-Difluorophenyloxy)ethyl]-3-[3-(3-chloro-6-methoxyquinolin-4-yl)propyl]pyrrolidine-3-carboxylic acid
767355-63-5P, 1-[2-(Thiophen-2-ylsulfanyl)ethyl]-3-[3-(3-chloro-6-methoxyquinolin-4-yl)propyl]pyrrolidine-3-carboxylic acid
RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(bactericide; preparation of 4-substituted quinolines as antimicrobials)

RN 767355-23-7 HCAPLUS

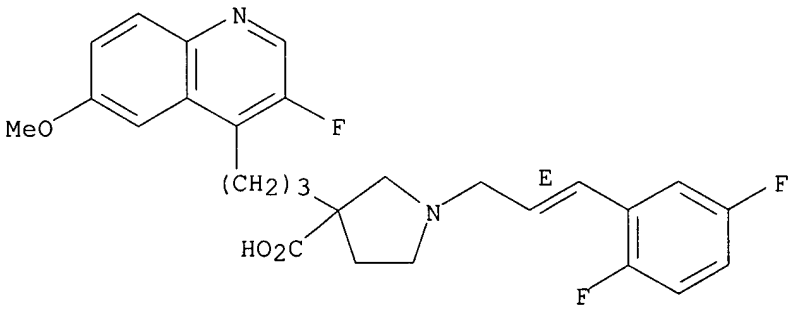
CN 3-Pyrrolidinecarboxylic acid, 1-[(2E)-3-(2,5-difluorophenyl)-2-propenyl]-3-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



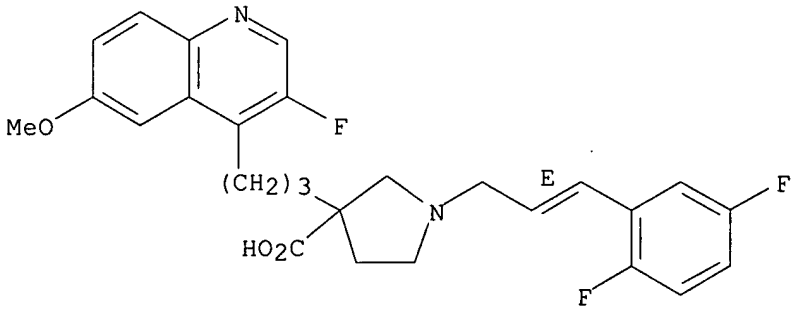
RN 767355-29-3 HCAPLUS
CN 3-Pyrrolidinecarboxylic acid, 1-[(2E)-3-(2,5-difluorophenyl)-2-propenyl]-3-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, (+)- (9CI) (CA INDEX NAME)

Rotation (+).
Double bond geometry as shown.



RN 767355-31-7 HCAPLUS
CN 3-Pyrrolidinecarboxylic acid, 1-[(2E)-3-(2,5-difluorophenyl)-2-propenyl]-3-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, (-)- (9CI) (CA INDEX NAME)

Rotation (-).
Double bond geometry as shown.



RN 767355-33-9 HCAPLUS
CN 2-Morpholinecarboxylic acid, 4-[2-[(2,5-difluorophenyl)thio]ethyl]-2-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, (-)- (9CI) (CA INDEX NAME)

Rotation (-).

Updated Search

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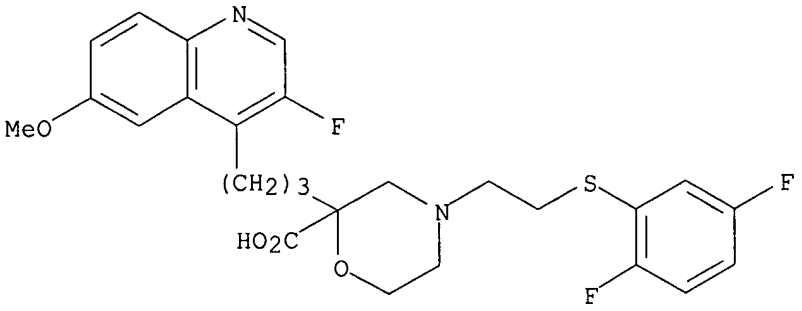
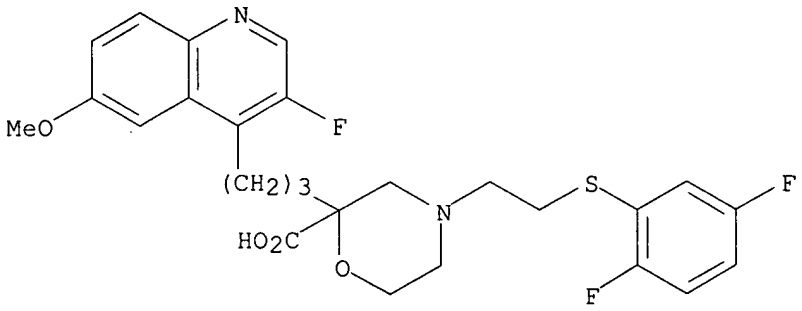


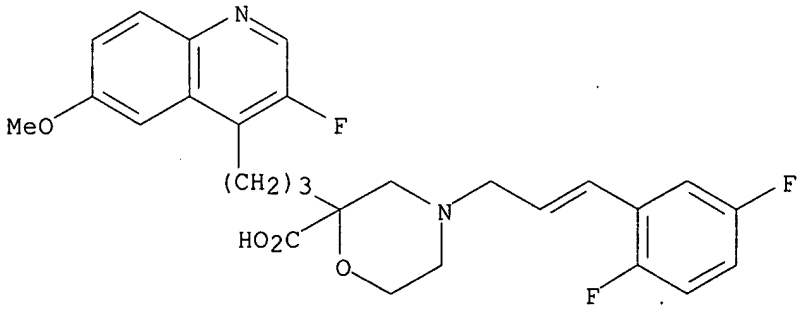
RN 767355-35-1 HCAPLUS
CN 2-Morpholinecarboxylic acid, 4-[2-[(2,5-difluorophenyl)thio]ethyl]-2-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, (+)- (9CI) (CA INDEX NAME)

Rotation (+).



RN 767355-42-0 HCAPLUS
CN 2-Morpholinecarboxylic acid, 4-[3-(2,5-difluorophenyl)-2-propenyl]-2-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, (-)- (9CI) (CA INDEX NAME)

Rotation (-).
Double bond geometry unknown.

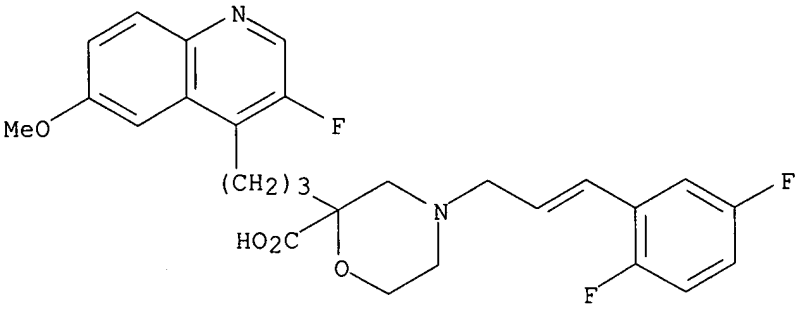


RN 767355-44-2 HCAPLUS
CN 2-Morpholinecarboxylic acid, 4-[3-(2,5-difluorophenyl)-2-propenyl]-2-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, (+)- (9CI) (CA INDEX NAME)

Rotation (+).
Double bond geometry unknown.

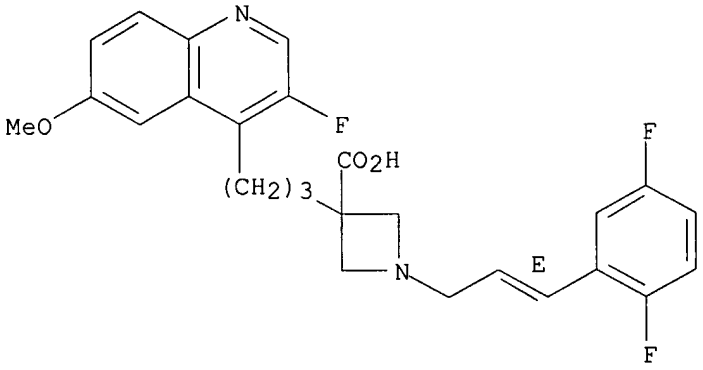
Updated Search

10508761

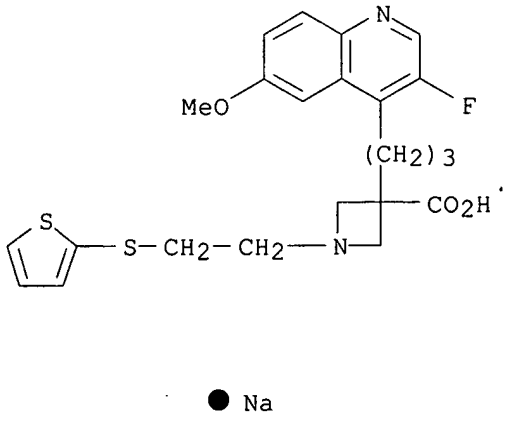


RN 767355-47-5 HCAPLUS
CN 3-Azetidinecarboxylic acid, 1-[(2E)-3-(2,5-difluorophenyl)-2-propenyl]-3-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



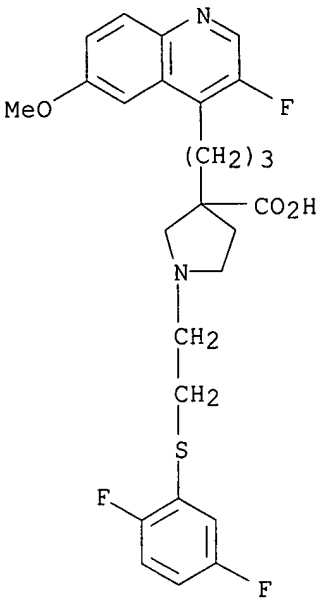
RN 767355-52-2 HCAPLUS
CN 3-Azetidinecarboxylic acid, 3-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-1-[2-(2-thienylthio)ethyl]-, sodium salt (9CI) (CA INDEX NAME)



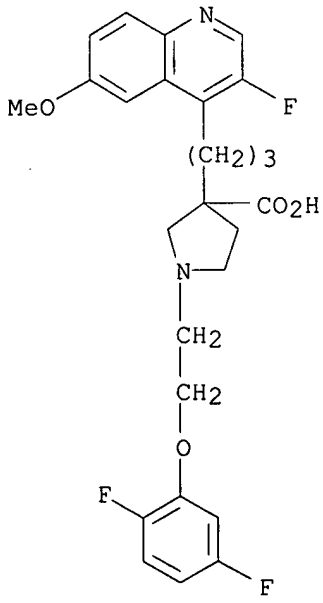
● Na

RN 767355-56-6 HCAPLUS
CN 3-Pyrrolidinecarboxylic acid, 1-[2-[(2,5-difluorophenyl)thio]ethyl]-3-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]- (9CI) (CA INDEX NAME)

Updated Search



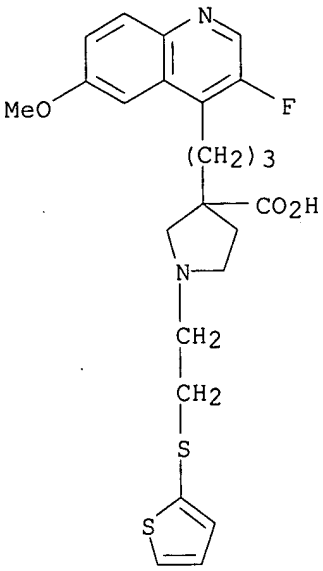
RN 767355-57-7 HCAPLUS
CN 3-Pyrrolidinecarboxylic acid, 1-[2-(2,5-difluorophenoxy)ethyl]-3-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]- (9CI) (CA INDEX NAME)



RN 767355-58-8 HCAPLUS
CN 3-Pyrrolidinecarboxylic acid, 3-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-1-[2-(2-thienylthio)ethyl]- (9CI) (CA INDEX NAME)

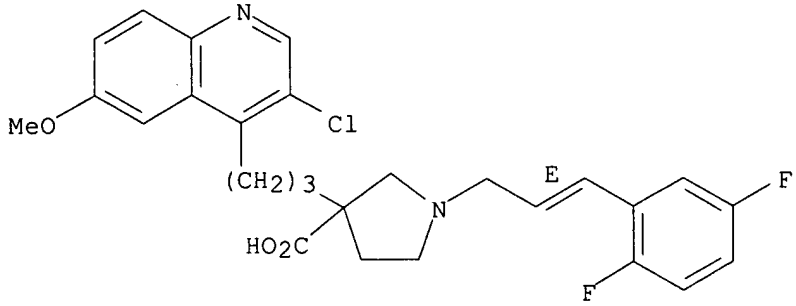
Updated Search

10508761



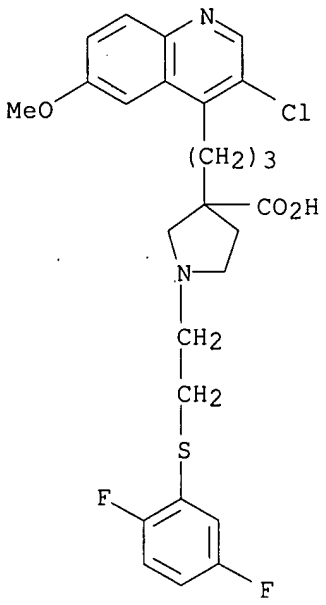
RN 767355-60-2 HCAPLUS
CN 3-Pyrrolidinecarboxylic acid, 3-[3-(3-chloro-6-methoxy-4-quinolinyl)propyl]-1-[(2E)-3-(2,5-difluorophenyl)-2-propenyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

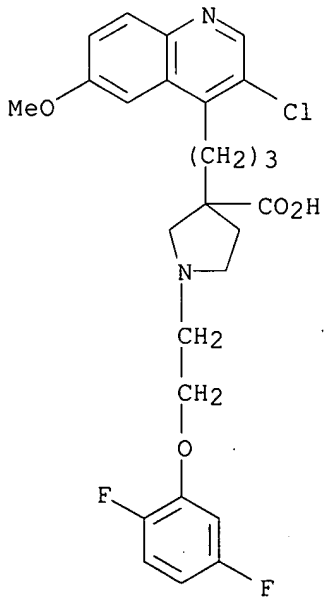


RN 767355-61-3 HCAPLUS
CN 3-Pyrrolidinecarboxylic acid, 3-[3-(3-chloro-6-methoxy-4-quinolinyl)propyl]-1-[2-[(2,5-difluorophenyl)thio]ethyl]- (9CI) (CA INDEX NAME)

Updated Search

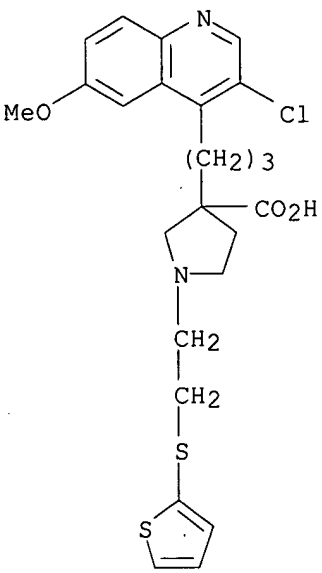


RN 767355-62-4 HCAPLUS
CN 3-Pyrrolidinecarboxylic acid, 3-[3-(3-chloro-6-methoxy-4-quinolinyl)propyl]-1-[2-(2,5-difluorophenoxy)ethyl]- (9CI) (CA INDEX NAME)



RN 767355-63-5 HCAPLUS
CN 3-Pyrrolidinecarboxylic acid, 3-[3-(3-chloro-6-methoxy-4-quinolinyl)propyl]-1-[2-(2-thienylthio)ethyl]- (9CI) (CA INDEX NAME)

Updated Search

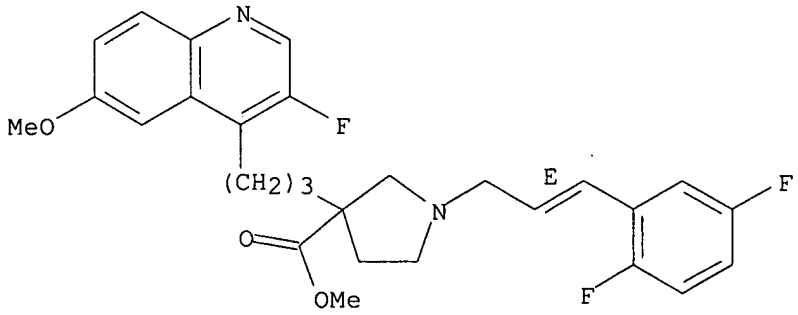


IT 767355-24-8P, Methyl 1-[(E)-3-(2,5-difluorophenyl)-2-propenyl]-3-[3-(3-fluoro-6-methoxyquinolin-4-yl)propyl]pyrrolidine-3-carboxylate
767355-38-4P, 2-[3-(3-Fluoro-6-methoxyquinolin-4-yl)propyl]-4-[2-[(2,5-difluorophenyl)sulfanyl]ethyl]morpholine-2-carboxylic acid methyl ester
RL: PEP (Physical, engineering or chemical process); PYP (Physical process); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); PROC (Process); RACT (Reactant or reagent)
(intermediate; preparation of 4-substituted quinolines as antimicrobials)

RN 767355-24-8 HCAPLUS

CN 3-Pyrrolidinecarboxylic acid, 1-[(2E)-3-(2,5-difluorophenyl)-2-propenyl]-3-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, methyl ester (9CI) (CA INDEX NAME)

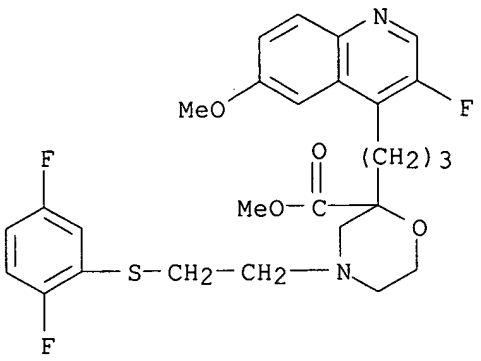
Double bond geometry as shown.



RN 767355-38-4 HCAPLUS

CN 2-Morpholinecarboxylic acid, 4-[2-[(2,5-difluorophenyl)thio]ethyl]-2-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, methyl ester (9CI) (CA INDEX NAME)

Updated Search

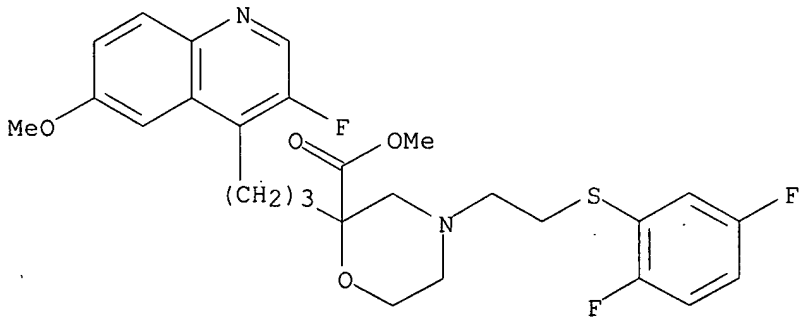


IT 767355-34-0P, (-)-2-[3-(3-Fluoro-6-methoxyquinolin-4-yl)propyl]-4-[2-[(2,5-difluorophenyl)sulfanyl]ethyl]morpholine-2-carboxylic acid methyl ester 767355-36-2P, (+)-2-[3-(3-Fluoro-6-methoxyquinolin-4-yl)propyl]-4-[2-[(2,5-difluorophenyl)sulfanyl]ethyl]morpholine-2-carboxylic acid methyl ester 767355-43-1P, (2R)-2-[3-(3-Fluoro-6-methoxyquinolin-4-yl)propyl]-4-[3-(2,5-difluorophenyl)-2-propenyl]morpholine-2-carboxylic acid methyl ester 767355-45-3P, (2S)-2-[3-(3-Fluoro-6-methoxyquinolin-4-yl)propyl]-4-[2-(2,5-difluorophenyl)allyl]morpholine-2-carboxylic acid methyl ester
RL: PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of 4-substituted quinolines as antimicrobials)

RN 767355-34-0 HCAPLUS

CN 2-Morpholinecarboxylic acid, 4-[2-[(2,5-difluorophenyl)thio]ethyl]-2-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, methyl ester, (-)- (9CI) (CA INDEX NAME)

Rotation (-).



RN 767355-36-2 HCAPLUS

CN 2-Morpholinecarboxylic acid, 4-[2-[(2,5-difluorophenyl)thio]ethyl]-2-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, methyl ester, (+)- (9CI) (CA INDEX NAME)

Rotation (+).

Updated Search

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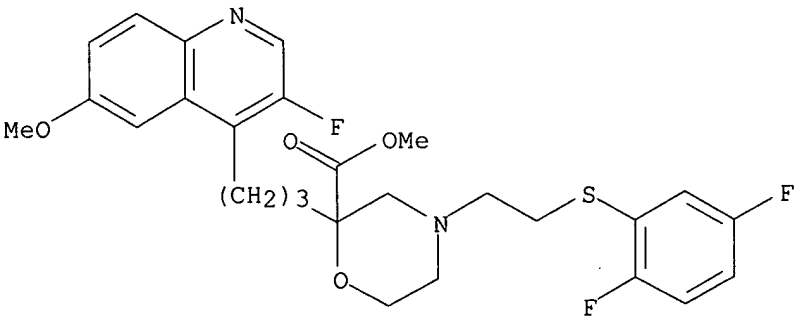
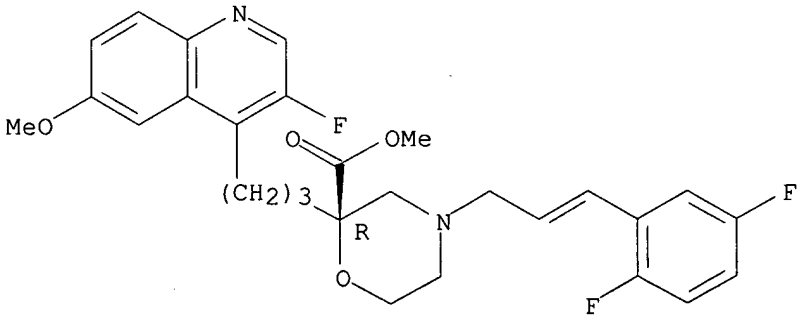


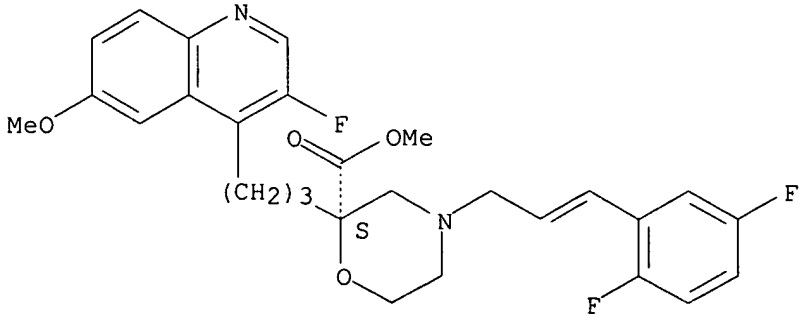
RN 767355-43-1 HCAPLUS
CN 2-Morpholinecarboxylic acid, 4-[3-(2,5-difluorophenyl)-2-propenyl]-2-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, methyl ester, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



RN 767355-45-3 HCAPLUS
CN 2-Morpholinecarboxylic acid, 4-[3-(2,5-difluorophenyl)-2-propenyl]-2-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, methyl ester, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



IT 767355-25-9P, Methyl 3-[3-(3-fluoro-6-methoxyquinolin-4-

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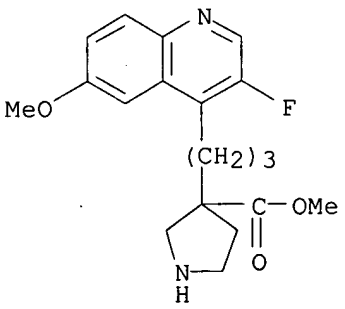
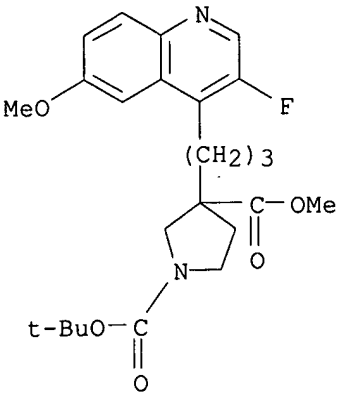
yl)propyl]pyrrolidine-3-carboxylate dihydrochloride 767355-27-1P , Methyl 1-(tert-butyloxycarbonyl)-3-[3-(3-fluoro-6-methoxyquinolin-4-yl)propyl]pyrrolidine-3-carboxylate 767355-37-3P, 2-[3-(3-Fluoro-6-methoxyquinolin-4-yl)propyl]morpholine-2-carboxylic acid methyl ester 767355-39-5P, 2-[3-(3-Fluoro-6-methoxyquinolin-4-yl)propyl]-4-(tert-butyloxycarbonyl)morpholine-2-carboxylic acid methyl ester 767355-48-6P, Methyl 1-[(E)-3-(2,5-difluorophenyl)-2-propenyl]-3-[3-(3-fluoro-6-methoxyquinolin-4-yl)propyl]azetidine-3-carboxylate 767355-49-7P, Methyl 3-[3-(3-fluoro-6-methoxyquinolin-4-yl)propyl]azetidine-3-carboxylate dihydrochloride 767355-50-0P, Methyl 1-(tert-butyloxycarbonyl)-3-[3-(3-fluoro-6-methoxyquinolin-4-yl)propyl]azetidine-3-carboxylate 767355-53-3P , Methyl 3-[3-(3-fluoro-6-methoxyquinolin-4-yl)propyl]-1-[2-[(thiophen-2-yl)sulfanyl]ethyl]azetidine-3-carboxylate 767355-54-4P, Methyl 3-[3-(3-fluoro-6-methoxyquinolin-4-yl)propyl]-1-(2-hydroxyethyl)azetidine-3-carboxylate
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of 4-substituted quinolines as antimicrobials)

RN 767355-25-9 HCAPLUS
CN 3-Pyrrolidinecarboxylic acid, 3-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, methyl ester, dihydrochloride (9CI) (CA INDEX NAME)

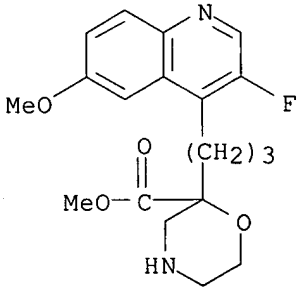


●2 HCl

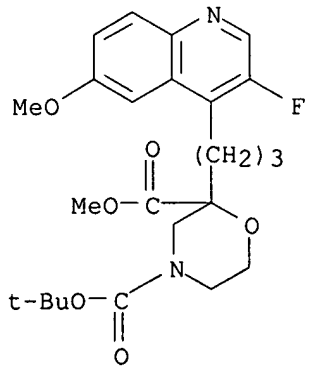
RN 767355-27-1 HCAPLUS
CN 1,3-Pyrrolidinedicarboxylic acid, 3-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, 1-(1,1-dimethylethyl) 3-methyl ester (9CI) (CA INDEX NAME)



RN 767355-37-3 HCAPLUS
CN 2-Morpholinecarboxylic acid, 2-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 767355-39-5 HCAPLUS
CN 2,4-Morpholinedicarboxylic acid, 2-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, 4-(1,1-dimethylethyl) 2-methyl ester (9CI) (CA INDEX NAME)



RN 767355-48-6 HCAPLUS
CN 3-Azetidinecarboxylic acid, 1-[(2E)-3-(2,5-difluorophenyl)-2-propenyl]-3-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, methyl ester (9CI) (CA INDEX NAME)

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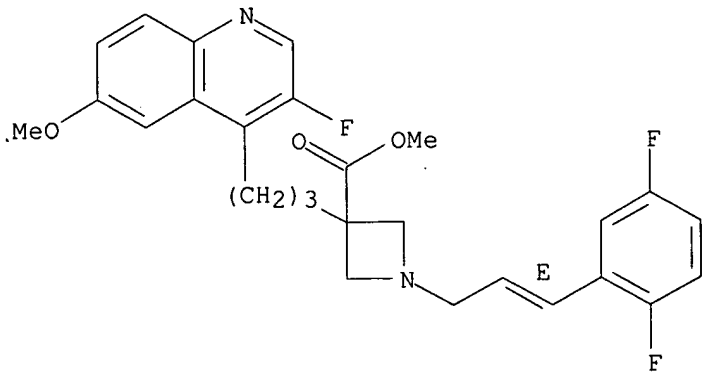
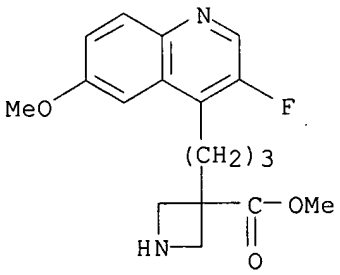
Double bond geometry as shown.

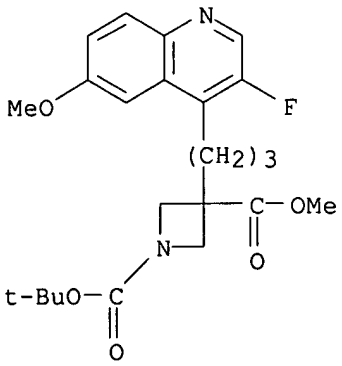


RN 767355-49-7 HCAPLUS
CN 3-Azetidinecarboxylic acid, 3-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, methyl ester, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

RN 767355-50-0 HCAPLUS
CN 1,3-Azetidinedicarboxylic acid, 3-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, 1-(1,1-dimethylethyl) 3-methyl ester (9CI) (CA INDEX NAME)



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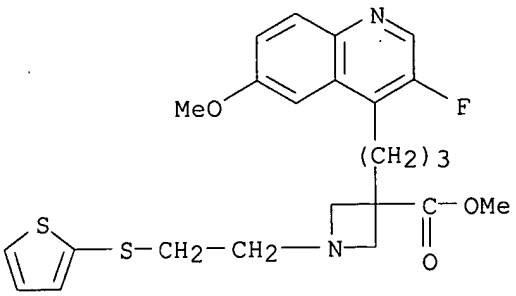
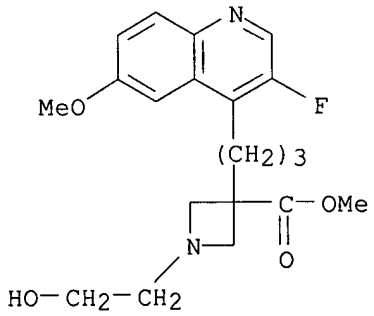
RN 767355-53-3 HCAPLUS
CN 3-Azetidinecarboxylic acid, 3-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-1-[2-(2-thienylthio)ethyl]-, methyl ester (9CI) (CA INDEX NAME)

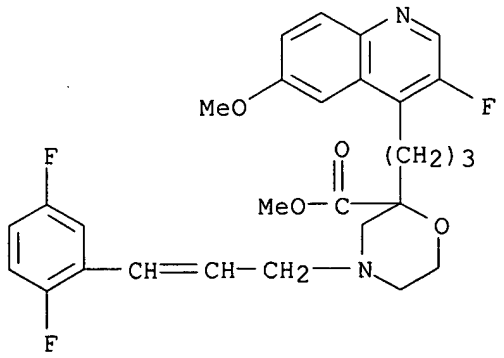


RN 767355-54-4 HCAPLUS
CN 3-Azetidinecarboxylic acid, 3-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-1-(2-hydroxyethyl)-, methyl ester (9CI) (CA INDEX NAME)



IT 767355-46-4P, 2-[3-(3-Fluoro-6-methoxyquinolin-4-yl)propyl]-4-[3-(2,5-difluorophenyl)-2-propenyl]morpholine-2-carboxylic acid methyl ester
RL: PEP (Physical, engineering or chemical process); PYP (Physical process); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)
(preparation of 4-substituted quinolines as antimicrobials)

RN 767355-46-4 HCAPLUS
CN 2-Morpholinecarboxylic acid, 4-[3-(2,5-difluorophenyl)-2-propenyl]-2-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, methyl ester (9CI) (CA INDEX NAME)



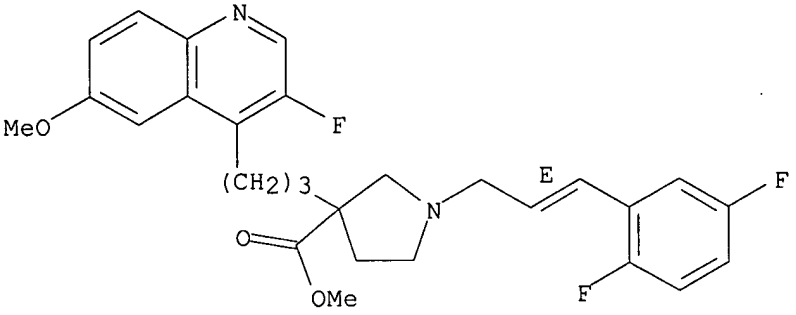
Updated Search

10508761

IT 767355-30-6P, (-)-Methyl 1-[(E)-3-(2,5-difluorophenyl)-2-propenyl]-3-[3-(3-fluoro-6-methoxyquinolin-4-yl)propyl]pyrrolidine-3-carboxylate
767355-32-8P, (+)-Methyl 1-[(E)-3-(2,5-difluorophenyl)-2-propenyl]-3-[3-(3-fluoro-6-methoxyquinolin-4-yl)propyl]pyrrolidine-3-carboxylate
RL: PUR (Purification or recovery); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(preparation of 4-substituted quinolines as antimicrobials)

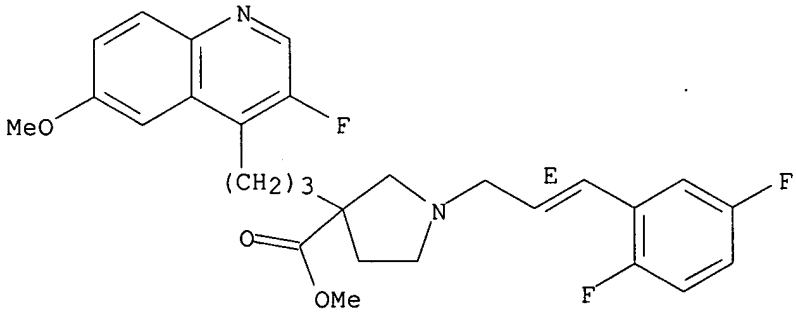
RN 767355-30-6 HCAPLUS
CN 3-Pyrrolidinecarboxylic acid, 1-[(2E)-3-(2,5-difluorophenyl)-2-propenyl]-3-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, methyl ester, (-)- (9CI) (CA INDEX NAME)

Rotation (-).
Double bond geometry as shown.



RN 767355-32-8 HCAPLUS
CN 3-Pyrrolidinecarboxylic acid, 1-[(2E)-3-(2,5-difluorophenyl)-2-propenyl]-3-[3-(3-fluoro-6-methoxy-4-quinolinyl)propyl]-, methyl ester, (+)- (9CI) (CA INDEX NAME)

Rotation (+).
Double bond geometry as shown.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file caold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.87	186.93

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL

Updated Search

10508761

	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.78	-0.78

FILE 'CAOLD' ENTERED AT 16:53:59 ON 25 JAN 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> d his

(FILE 'HOME' ENTERED AT 16:43:46 ON 25 JAN 2007)

FILE 'REGISTRY' ENTERED AT 16:43:54 ON 25 JAN 2007
L1 STRUCTURE UPLOADED
L2 0 S L1
L3 37 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 16:53:32 ON 25 JAN 2007
L4 1 S L3

FILE 'CAOLD' ENTERED AT 16:53:59 ON 25 JAN 2007

=> s l3
L5 0 L3

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.45	187.38

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.78

FILE 'REGISTRY' ENTERED AT 16:54:06 ON 25 JAN 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 24 JAN 2007 HIGHEST RN 918400-64-3

Updated Search

10508761

DICTIONARY FILE UPDATES: 24 JAN 2007 HIGHEST RN 918400-64-3

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\oipl.str

L6 STRUCTURE UPLOADED

=> d l6
L6 HAS NO ANSWERS
L6 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l6
SAMPLE SEARCH INITIATED 17:03:06 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 764414 TO ITERATE

0.3% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 15240514 TO 15336046
PROJECTED ANSWERS: 0 TO 0

L7 0 SEA SSS SAM L6

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\uiui8.str

L8 STRUCTURE UPLOADED

=> d l8
L8 HAS NO ANSWERS
L8 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

Updated Search

10508761

```
=> s l8
SAMPLE SEARCH INITIATED 17:06:37 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   207039 TO ITERATE

  1.0% PROCESSED     2000 ITERATIONS                                  0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:      4114119 TO  4167441
PROJECTED ANSWERS:               0 TO        0

L9            0 SEA SSS SAM L8

=>
Uploading C:\Documents and Settings\brobinson1\My
Documents\stnweb\Queries\34a541.str

L10     STRUCTURE UPLOADED

=> d l10
L10 HAS NO ANSWERS
L10             STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l10
SAMPLE SEARCH INITIATED 17:08:09 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   207039 TO ITERATE

  1.0% PROCESSED     2000 ITERATIONS                                  0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:      4114119 TO  4167441
PROJECTED ANSWERS:               0 TO        0

L11           0 SEA SSS SAM L10

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\3434t.str

L12     STRUCTURE UPLOADED

=> d l12
L12 HAS NO ANSWERS
L12             STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.
```

Updated Search

10508761

```
=> s l12
SAMPLE SEARCH INITIATED 17:09:40 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    37636 TO ITERATE

  5.3% PROCESSED     2000 ITERATIONS                                 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       741129 TO   764311
PROJECTED ANSWERS:               0 TO        0

L13           0 SEA SSS SAM L12

=> s l12 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 171.65 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 17:09:45 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   748846 TO ITERATE

100.0% PROCESSED   748846 ITERATIONS                              35 ANSWERS
SEARCH TIME: 00.00.06

L14          35 SEA SSS FUL L12

=> file hcaplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   183.35     370.73

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -0.78

FILE 'HCAPLUS' ENTERED AT 17:09:54 ON 25 JAN 2007
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FILE COVERS 1907 - 25 Jan 2007  VOL 146 ISS 5
FILE LAST UPDATED: 24 Jan 2007  (20070124/ED)

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 This file contains CAS Registry Numbers for easy and accurate
 substance identification.
```

Updated Search

10508761

=> s l14
L15 1 L14

=> file reg
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 2.60 373.33

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE ENTRY TOTAL SESSION
CA SUBSCRIBER PRICE 0.00 -0.78

FILE 'REGISTRY' ENTERED AT 17:10:06 ON 25 JAN 2007
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STRUCTURE FILE UPDATES: 24 JAN 2007 HIGHEST RN 918400-64-3
DICTIONARY FILE UPDATES: 24 JAN 2007 HIGHEST RN 918400-64-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Documents and Settings\brobinson1\My
Documents\stnweb\Queries\55619i.str

L16 STRUCTURE UPLOADED

=> s l16
SAMPLE SEARCH INITIATED 17:12:05 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 207039 TO ITERATE

1.0% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 4114119 TO 4167441
PROJECTED ANSWERS: 0 TO 0

L17 0 SEA SSS SAM L16

=>

Updated Search

10508761

Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\serel.str

L18 STRUCTURE UPLOADED

=> s l18
SAMPLE SEARCH INITIATED 17:12:56 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 206665 TO ITERATE

1.0% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 4106662 TO 4159938
PROJECTED ANSWERS: 0 TO 0

L19 0 SEA SSS SAM L18

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\980u.str

L20 STRUCTURE UPLOADED

=> d l20
L20 HAS NO ANSWERS
L20 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l20
SAMPLE SEARCH INITIATED 17:14:59 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 20601 TO ITERATE

9.7% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 403428 TO 420612
PROJECTED ANSWERS: 0 TO 0

L21 0 SEA SSS SAM L20

=> s l20full
L22 0 L20FULL

=> s l20 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 171.65 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 17:15:15 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 411764 TO ITERATE

100.0% PROCESSED 411764 ITERATIONS 35 ANSWERS
SEARCH TIME: 00.00.02

Updated Search

10508761

```
L23          35 SEA SSS FUL L20

=> d his

     (FILE 'HOME' ENTERED AT 16:43:46 ON 25 JAN 2007)

     FILE 'REGISTRY' ENTERED AT 16:43:54 ON 25 JAN 2007
L1             STRUCTURE UPLOADED
L2           0 S L1
L3          37 S L1 FULL

     FILE 'HCAPLUS' ENTERED AT 16:53:32 ON 25 JAN 2007
L4           1 S L3

     FILE 'CAOLD' ENTERED AT 16:53:59 ON 25 JAN 2007
L5           0 S L3

     FILE 'REGISTRY' ENTERED AT 16:54:06 ON 25 JAN 2007
L6             STRUCTURE UPLOADED
L7           0 S L6
L8             STRUCTURE UPLOADED
L9           0 S L8
L10            STRUCTURE UPLOADED
L11          0 S L10
L12            STRUCTURE UPLOADED
L13          0 S L12
L14         35 S L12 FULL

     FILE 'HCAPLUS' ENTERED AT 17:09:54 ON 25 JAN 2007
L15          1 S L14

     FILE 'REGISTRY' ENTERED AT 17:10:06 ON 25 JAN 2007
L16            STRUCTURE UPLOADED
L17          0 S L16
L18            STRUCTURE UPLOADED
L19          0 S L18
L20            STRUCTURE UPLOADED
L21          0 S L20
L22          0 S L20FULL
L23         35 S L20 FULL

=> s l23 not l14
L24          0 L23 NOT L14

=> file reg
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                             180.65     553.98

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                               0.00      -0.78

FILE 'REGISTRY' ENTERED AT 17:15:33 ON 25 JAN 2007
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STRUCTURE FILE UPDATES: 24 JAN 2007 HIGHEST RN 918400-64-3
DICTIONARY FILE UPDATES: 24 JAN 2007 HIGHEST RN 918400-64-3

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\4we545y.str

L25 STRUCTURE UPLOADED

=> d l25
L25 HAS NO ANSWERS
L25 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l25
SAMPLE SEARCH INITIATED 17:17:21 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 62502 TO ITERATE

3.2% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1235145 TO 1264935
PROJECTED ANSWERS: 0 TO 0

L26 0 SEA SSS SAM L25

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\2323li.str

L27 STRUCTURE UPLOADED

=> d l27
L27 HAS NO ANSWERS
L27 STR

Updated Search

10508761

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l27
SAMPLE SEARCH INITIATED 17:18:15 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 19665 TO ITERATE

10.2% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 384905 TO 401695
PROJECTED ANSWERS: 0 TO 0

L28 0 SEA SSS SAM L27

=> s l27 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 171.65 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 17:18:20 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 391797 TO ITERATE

100.0% PROCESSED 391797 ITERATIONS 35 ANSWERS
SEARCH TIME: 00.00.02

L29 35 SEA SSS FUL L27

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\112lj.str

L30 STRUCTURE UPLOADED

=> s l30
SAMPLE SEARCH INITIATED 17:19:51 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 45759 TO ITERATE

4.4% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 902411 TO 927949
PROJECTED ANSWERS: 0 TO 0

L31 0 SEA SSS SAM L30

=> s l30 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 171.65 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 17:19:56 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 911515 TO ITERATE

100.0% PROCESSED 911515 ITERATIONS 35 ANSWERS

Updated Search

10508761

SEARCH TIME: 00.00.03

L32 35 SEA SSS FUL L30

=>
Uploading C:\Documents and Settings\brobinson1\My
Documents\stnweb\Queries\2323km.str

L33 STRUCTURE UPLOADED

=>
Uploading C:\Documents and Settings\brobinson1\My
Documents\stnweb\Queries\121a2k.str

L34 STRUCTURE UPLOADED

=> s l34
SAMPLE SEARCH INITIATED 17:23:49 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2858 TO ITERATE

70.0% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 53954 TO 60366
PROJECTED ANSWERS: 0 TO 0

L35 0 SEA SSS SAM L34

=> s l34 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 171.65 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 17:23:56 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 56986 TO ITERATE

100.0% PROCESSED 56986 ITERATIONS (2 INCOMPLETE) 6 ANSWERS
SEARCH TIME: 00.00.05

L36 6 SEA SSS FUL L34

=> file hcaplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	521.25	1075.23

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.78

FILE 'HCAPLUS' ENTERED AT 17:24:05 ON 25 JAN 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Updated Search

FILE COVERS 1907 - 25 Jan 2007 VOL 146 ISS 5
FILE LAST UPDATED: 24 Jan 2007 (20070124/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l36
L37 5 L36

=> d l37, ibib abs hitstr, 1-5

L37 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:1289687 HCAPLUS
DOCUMENT NUMBER: 144:51568
TITLE: Preparation of substituted 2-quinolyl-oxazoles and their heterocyclic analogs useful as pde4 inhibitors
INVENTOR(S): Kuang, Rongze; Blythin, David; Shih, Neng-Yang; Shue, Ho-Jane; Chen, Xiao; Cao, Jianhua; Gu, Danlin; Huang, Ying; Schwerdt, John H.; Ting, Pauline C.; Wong, Shing-Chun; Xiao, Li
PATENT ASSIGNEE(S): Schering Corporation, USA
SOURCE: PCT Int. Appl., 233 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2005116009	A1	20051208	WO 2005-US17134		20050516
WO 2005116009	B1	20060126			
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
AU 2005247906	A1	20051208	AU 2005-247906		20050516
CA 2565599	A1	20051208	CA 2005-2565599		20050516
US 2006106062	A1	20060518	US 2005-130359		20050516
PRIORITY APPLN. INFO.:			US 2004-572266P	P	20040518
			WO 2005-US17134	W	20050516

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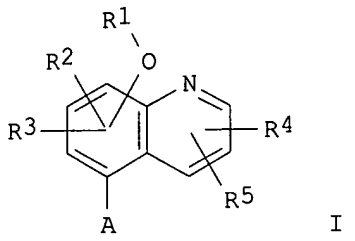
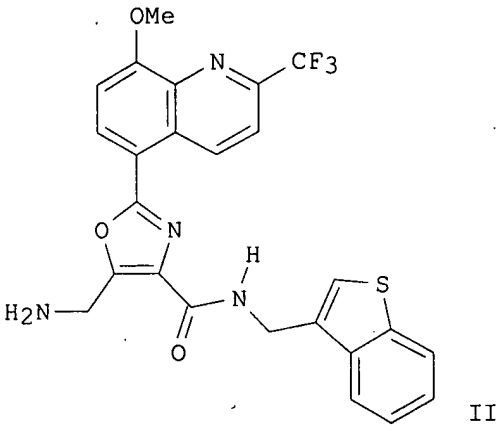
10508761

OTHER SOURCE(S): MARPAT 144:51568
GI



I



II

AB Title compds. I [R1 = H, alkyl, cycloalkyl; R2, R3 and R5 independently = H or halo; R4 = H, halo, alkyl, etc.; A = substituted oxazolyl, imidazole, thiazole or pyrrole], and their pharmaceutically acceptable salts, are prepared and disclosed as pde4 inhibitors. Thus, e.g., II was prepared in a multistep synthesis from 2-trifluoromethyl-8-methoxyquinolin-5-yl carboxylic acid. In PDE4 assays, selected compds. possessed IC50 values ranging from 0.01-1.8 nM. Also claimed are pharmaceutical compns., the use of the compds. as PDE4 inhibitors, and combinations with other actives.

IT 871011-97-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of substituted quinolyloxazoles and their heterocyclic analogs useful as PDE4 inhibitors)

RN 871011-97-1 HCAPLUS

CN Proline, 1-[[5-[(1S)-1-amino-2-hydroxyethyl]-2-[8-methoxy-2-(trifluoromethyl)-5-quinolinyl]-4-oxazolyl]carbonyl]-4-hydroxy-4-methyl-, ethyl ester, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Updated Search

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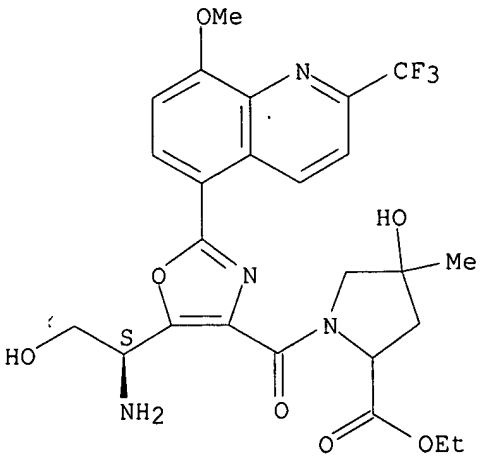


● HCl

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L37 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:310829 HCAPLUS
DOCUMENT NUMBER: 140:303552
TITLE: Preparation of β-amino acid derivatives as inhibitors of matrix metalloproteases and TNF-α
INVENTOR(S): Duan, Jingwu; King, Bryan W.; Decicco, Carl; Maduskuie, Thomas P.; Voss, Mathew E.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 150 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004072802	A1	20040415	US 2002-267207	20021009
PRIORITY APPLN. INFO.:			US 2002-267207	20021009

OTHER SOURCE(S): MARPAT 140:303552

AB Novel β-amino acid derivs. A-CR3R4aCR2R4NR1CO-X-Z-Ua-Xa-Ya-Za [A = CO2H, SH, CH2SH, S(O)Ra:NH (Ra = H, alkyl), P(O)(OH)2, etc.; X, Xa is absent or alkylene, alkenylene or alkynylene; Z is absent or substituted C3-13 carbocycle or 5-14 membered heterocycle; Ua is absent or O, NRa1 [Ra1 = H, (un)substituted alkyl, alkenyl or alkynyl; Ra and Ra1 may form a ring], CO, CO2, O2C, CONRa1, S(O)p (p = 0-2), etc.; Ya is absent or O, NRa1, S(O)p or CO; Za is H, substituted C3-13 carbocycle or 5-14 membered heterocycle; R1 is H, alkyl, Ph, benzyl; R2 is Q (Q is H, substituted carbocycle or heterocycle), alkylene-Q, (CRaRa1)r1O(CRaRa1)r-Q (r, r1 = 0-4), (CRaRa1)r1NRa(CRaRa1)r-Q, etc.; R3 = Q1 (Q1 is any group given for Q), alkylene-Q1, (CRaRa1)r1O(CRaRa1)r-Q1, (CRaRa1)r1NRa(CRaRa1)r-Q1, etc.; R4, R4a = H, substituted alkyl, alkenyl or alkynyl; alternatively R1 and R2, R1 and R3, R3 and R4a may form rings (with provisos)] or a

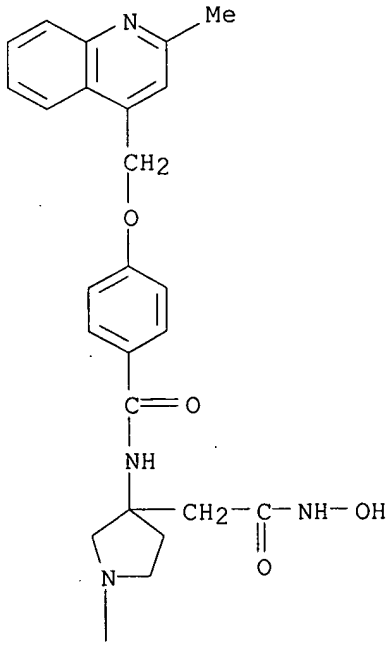
Updated Search

stereoisomer or pharmaceutically acceptable salt were prepared as metalloprotease and TNF-α inhibitors. Thus, N-hydroxy-1-[[4-[(2-methyl-4-quinolinyl)methoxy]phenyl]acetyl]-3-azetidinecarboxamide was prepared by a multistep procedure involving reactions of Me 4-hydroxyphenylacetate, 2-methyl-4-quinolinylmethanol, and 3-azetidinecarboxylic acid Me ester.

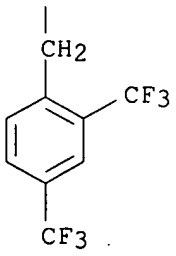
IT 362700-34-3P 362700-35-4P
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of β-amino acid derivs. as inhibitors of matrix metalloproteases and TNF-α)

RN 362700-34-3 HCAPLUS
CN 3-Pyrrolidineacetamide, 1-[[2,4-bis(trifluoromethyl)phenyl]methyl]-N-hydroxy-3-[[4-[(2-methyl-4-quinolinyl)methoxy]benzoyl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



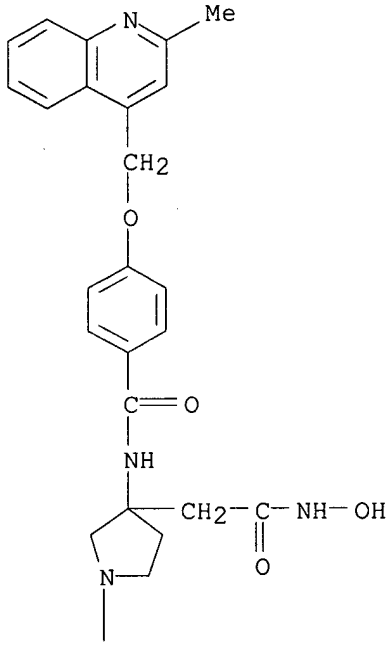
10508761

RN 362700-35-4 HCAPLUS
CN 3-Pyrrolidineacetamide, 1-[[2,4-bis(trifluoromethyl)phenyl]methyl]-N-hydroxy-3-[[4-[(2-methyl-4-quinolinyl)methoxy]benzoyl]amino]-, bis(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 362700-34-3
CMF C33 H30 F6 N4 O4

PAGE 1-A



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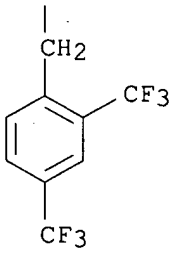

CM 2

CRN 76-05-1
CMF C2 H F3 O2

Updated Search

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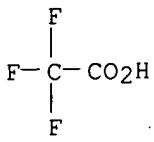


L37 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:616857 HCAPLUS
DOCUMENT NUMBER: 139:286905
TITLE: Efficient incorporation of positively charged 2', 3'-dideoxynucleoside-5'-triphosphates by DNA polymerases and their application in direct-load' DNA sequencing
AUTHOR(S): Finn, Patrick J.; Bull, Matthew G.; Xiao, Haiguang; Phillips, Paula D.; Nelson, John R.; Grossmann, Greg; Nampalli, Satyam; McArdle, Bernard F.; Mamone, J. Anthony; Flick, Parke K.; Fuller, Carl W.; Kumar, Shiv
CORPORATE SOURCE: Amersham Biosciences, Piscataway, NJ, 08855-1327, USA
SOURCE: Nucleic Acids Research (2003), 31(16), 4769-4778
CODEN: NARHAD; ISSN: 0305-1048
PUBLISHER: Oxford University Press
DOCUMENT TYPE: Journal
LANGUAGE: English

AB A series of charge-modified, dye-labeled 2', 3'-dideoxynucleoside-5'-triphosphates have been synthesized and evaluated as reagents for dye-terminator DNA sequencing. Unlike the commonly used dye-labeled terminators, these terminators possess a net pos. charge and migrate in the opposite direction to dye-labeled Sanger fragments during electrophoresis. Post-sequencing reaction purification is not required to remove unreacted nucleotide or associated breakdown products prior to electrophoresis. Thus, DNA sequencing reaction mixts. can be loaded directly onto a separating medium such as a sequencing gel. The charge-modified nucleotides have also been shown to be more efficiently incorporated by a number of DNA polymerases than regular dye-labeled dideoxynucleotide terminators or indeed normal dideoxynucleoside-5'-triphosphates.

IT 608520-72-5P
RL: ARG (Analytical reagent use); SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation); USES (Uses)
(efficient incorporation of pos. charged 2', 3'-dideoxynucleoside-5'-triphosphates by DNA polymerases and their application in direct-load' DNA sequencing)

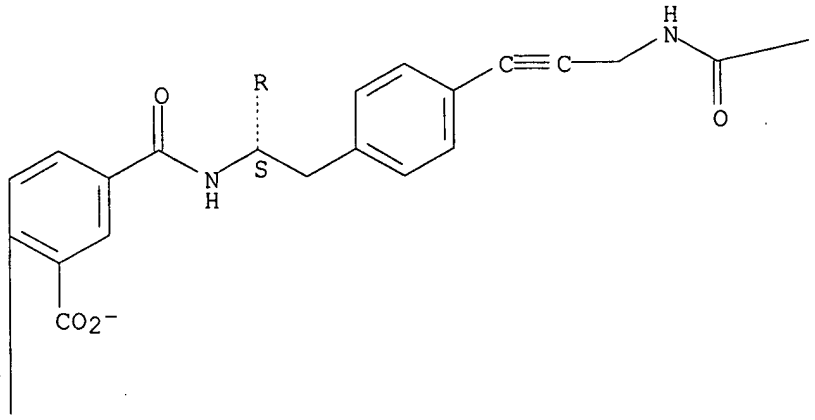
RN 608520-72-5 HCAPLUS
CN L-Lysinamide, N-[4-[3,6-bis(dimethylamino)-2,7-dimethylxanthylium-9-yl]-3-carboxybenzoyl]-4-[3-[[(3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen]-5-yl)carbonyl]amino]-1-propynyl]-L-phenylalanyl-N6-(trifluoroacetyl)-L-lysyl-N6-(trifluoroacetyl)-L-lysyl-N6-(trifluoroacetyl)-L-lysyl-N6-(trifluoroacetyl)-L-lysyl-N-[7-[[3-[4-amino-7-[(2R,5S)-tetrahydro-5-(3,5,7,7-tetrahydroxy-3,5,7-trioxido-2,4,6-trioxa-3,5,7-triphosphahept-1-yl)-2-furanyl]-7H-pyrrolo[2,3-d]pyrimidin-5-yl]-2-propynyl]amino]-7-oxoheptyl]-N6-(trifluoroacetyl)-, inner salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Updated Search

10508761

PAGE 1-A



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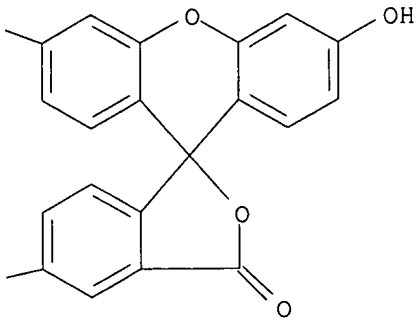

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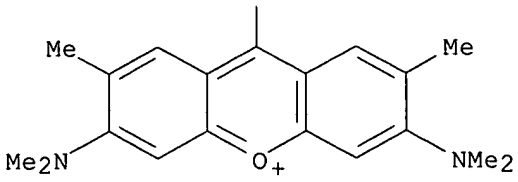
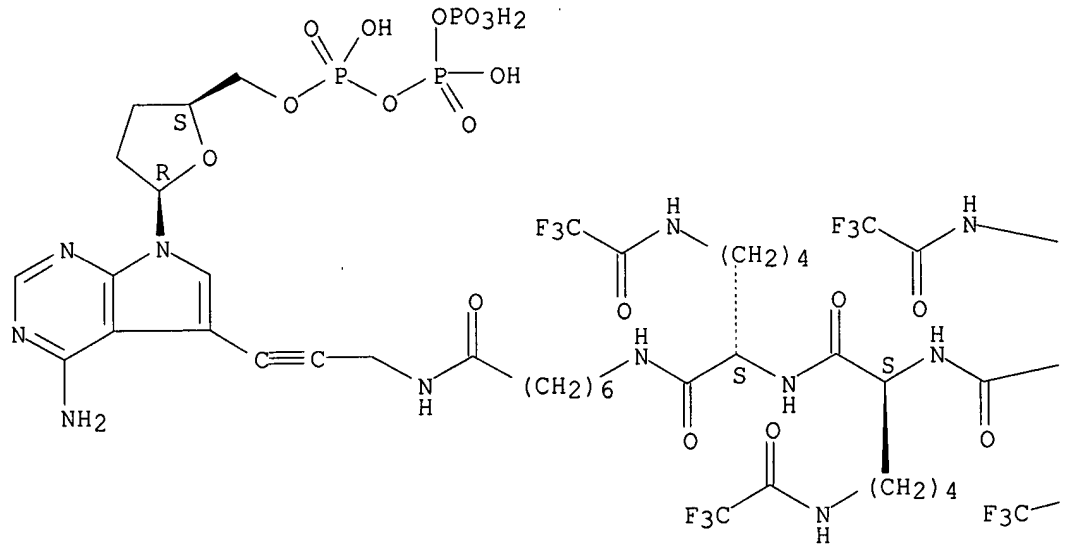


Updated Search

PAGE 3-A



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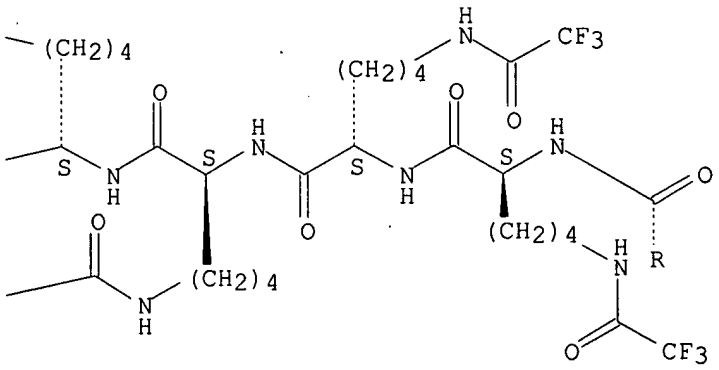


REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L37 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:713343 HCAPLUS
DOCUMENT NUMBER: 135:272894
TITLE: Preparation of β-amino acid derivatives as inhibitors of matrix metalloproteases and TNF-α
INVENTOR(S): Duan, Jingwu; King, Bryan W.; Decicco, Carl; Maduskuie, Thomas P., Jr.; Voss, Matthew E.

Updated Search

10508761

PATENT ASSIGNEE(S): Dupont Pharmaceuticals Company, USA
SOURCE: PCT Int. Appl., 483 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2001070734	A2	20010927	WO 2001-US8336		20010315
WO 2001070734	A3	20020314			
W: AT, AU, BR, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, HU, IL, IN, JP, KR, LT, LU, LV, NZ, PL, PT, RO, SE, SG, SI, SK, UA, VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR					
CA 2400168	A1	20010927	CA 2001-2400168		20010315
AU 200150850	A	20011003	AU 2001-50850		20010315
EP 1263756	A2	20021211	EP 2001-924171		20010315
EP 1263756	B1	20040225			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR					
BR 2001009469	A	20030429	BR 2001-9469		20010315
JP 2003528097	T	20030924	JP 2001-568935		20010315
AT 260272	T	20040315	AT 2001-924171		20010315
NZ 521245	A	20040430	NZ 2001-521245		20010315
ES 2215893	T3	20041016	ES 2001-1924171		20010315
US 2002013341	A1	20020131	US 2001-811116		20010316
US 6495565	B2	20021217			
IN 2002MN01075	A	20050304	IN 2002-MN1075		20020808
HK 1049334	A1	20040716	HK 2003-101437		20030226
PRIORITY APPLN. INFO.:			US 2000-190183P	P	20000317
			US 2000-235467P	P	20000926
			US 2000-252062P	P	20001120
			WO 2001-US8336	W	20010315

OTHER SOURCE(S): MARPAT 135:272894

AB Novel β-amino acid derivs. A-CR3R4aCR2R4NR1CO-X-Z-Ua-Xa-Ya-Za [A = CO2H, SH, CH2SH, S(O)Ra:NH (Ra = H, alkyl), P(O)(OH)2, etc.; X, Xa is absent or alkylene, alkenylene or alkynylene; Z is absent or substituted C3-13 carbocycle or 5-14 membered heterocycle; Ua is absent or O, NRa1 [Ra1 = H, (un)substituted alkyl, alkenyl or alkynyl; Ra and Ra1 may form a ring], CO, CO2, O2C, CONRa1, S(O)p (p = 0-2), etc.; Ya is absent or O, NRa1, S(O)p or CO; Za is H, substituted C3-13 carbocycle or 5-14 membered heterocycle; R1 is H, alkyl, Ph, benzyl; R2 is Q (Q is H, substituted carbocycle or heterocycle), alkylene-Q, (CRaRa1)r1O(CRaRa1)r-Q (r, r1 = 0-4), (CRaRa1)r1NRa(CRaRa1)r-Q, etc.; R3 = Q1 (Q1 is any group given for Q), alkylene-Q1, (CRaRa1)r1O(CRaRa1)r-Q1, (CRaRa1)r1NRa(CRaRa1)r-Q1, etc.; R4, R4a = H, substituted alkyl, alkenyl or alkynyl; alternatively R1 and R2, R1 and R3, R3 and R4a may form rings (with provisos)] or a stereoisomer or pharmaceutically acceptable salt were prepared as metalloprotease and TNF-α inhibitors. Thus, N-hydroxy-1-[[4-[(2-methyl-4-quinolinyl)methoxy]phenyl]acetyl]-3-azetidinecarboxamide was prepared by a multistep procedure involving reactions of Me 4-hydroxyphenylacetate, 2-methyl-4-quinolinylmethanol, and 3-azetidinecarboxylic acid Me ester.

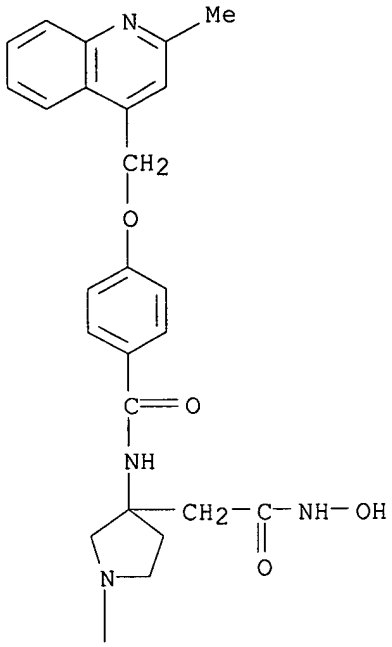
IT 362700-34-3P 362700-35-4P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);

Updated Search

BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of β-amino acid derivs. as inhibitors of matrix metalloproteases and TNF-α)

RN 362700-34-3 HCAPLUS
CN 3-Pyrrolidineacetamide, 1-[[2,4-bis(trifluoromethyl)phenyl]methyl]-N-hydroxy-3-[[4-[(2-methyl-4-quinolinyl)methoxy]benzoyl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A



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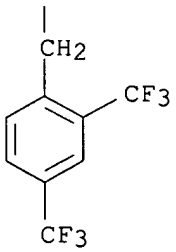


RN 362700-35-4 HCAPLUS
CN 3-Pyrrolidineacetamide, 1-[[2,4-bis(trifluoromethyl)phenyl]methyl]-N-hydroxy-3-[[4-[(2-methyl-4-quinolinyl)methoxy]benzoyl]amino]-, bis(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)

CM 1

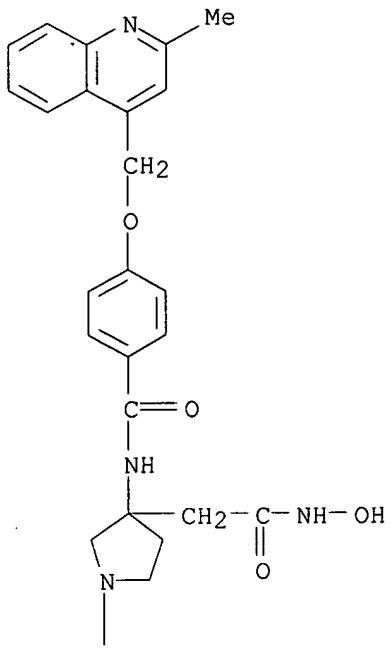
CRN 362700-34-3

Updated Search

10508761

CMF C33 H30 F6 N4 O4

PAGE 1-A



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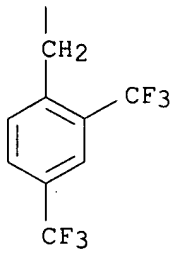
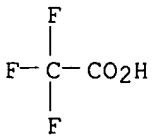


CM 2

CRN 76-05-1
CMF C2 H F3 O2



Updated Search

L37 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:380438 HCAPLUS
DOCUMENT NUMBER: 135:24657
TITLE: Selective cellular targeting: multifunctional delivery vehicles
INVENTOR(S): Glazier, Arnold
PATENT ASSIGNEE(S): Drug Innovation & Design, Inc., USA
SOURCE: PCT Int. Appl., 981 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001036003	A2	20010525	WO 2000-US31262	20001114
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2391534	A1	20010525	CA 2000-2391534	20001114
AU 2001016075	A5	20010530	AU 2001-16075	20001114
EP 1255567	A1	20021113	EP 2000-978631	20001114
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2003138432	A1	20030724	US 2000-738625	20001215
PRIORITY APPLN. INFO.:			US 1999-165485P	P 19991115
			US 2000-239478P	P 20001011
			US 2000-241937P	P 20001020
			WO 2000-US31262	W 20001114
			US 2000-712465	B1 20001115

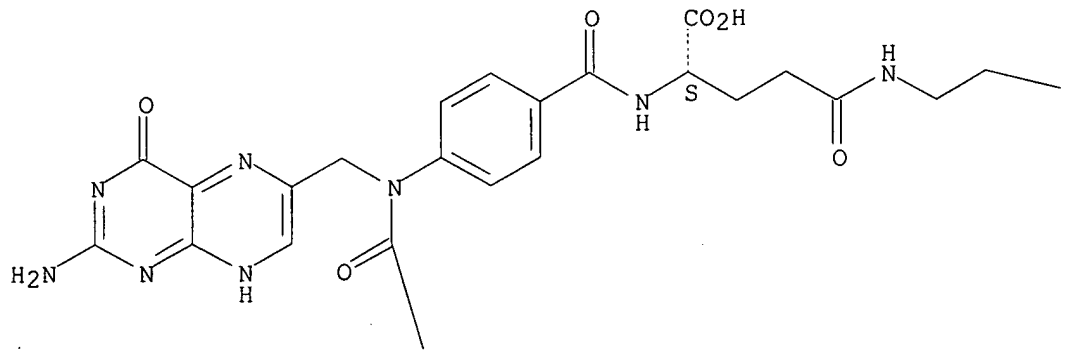
AB The present invention relates to the compns., methods, and applications of a novel approach to selective cellular targeting. The purpose of this invention is to enable the selective delivery and/or selective activation of effector mols. to target cells for diagnostic or therapeutic purposes. The present invention relates to multi-functional prodrugs or targeting vehicles wherein each functionality is capable of enhancing targeting selectivity, affinity, intracellular transport, activation or detoxification. The present invention also relates to ultralow dose, multiple target, multiple drug chemotherapy and targeted immunotherapy for cancer treatment.

IT 341553-47-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PNU (Preparation, unclassified); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(multifunctional delivery vehicles for selective cellular targeting of drugs)
RN 341553-47-7 HCAPLUS
CN 10,13,16,26,29,32,35,45,48,51-Decaoxa-2,7,19,23,42,54-hexaaza-58-phosphadohexacontane-3,60,62-tricarboxylic acid, 1-[4-[[(2-amino-1,4-dihydro-4-oxo-6-pteridinyl)methyl][[[3-[[(3-carboxy-1-oxopropoxy)methoxy]carbonyl]-4-[(2-oxido-1,3,2-dioxaphosphorinan-2-

yl)oxy]phenyl]methoxy]carbonyl]amino]phenyl]-22-[17-[6-[[[[[1-[[5-(5-carboxy-3-methyl-2-pentenyl)-1,3-dihydro-6-methoxy-7-methyl-3-oxo-4-isobenzofuranyl]oxy]-2,2,2-trifluoroethyl]amino]carbonyl]oxy]methyl]-5,8-dioxo-1-naphthalenyl]-1,14-dioxo-5,8,11-trioxa-2,15-diazaheptadec-1-yl]-39-(1,14-dioxo-5,8,11-trioxa-2,15-diazadocos-1-yl)-58-hydroxy-1,6,20,24,37,41,55-heptaoxo-, 58-oxide, (3S,22S,39S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

PAGE 1-A



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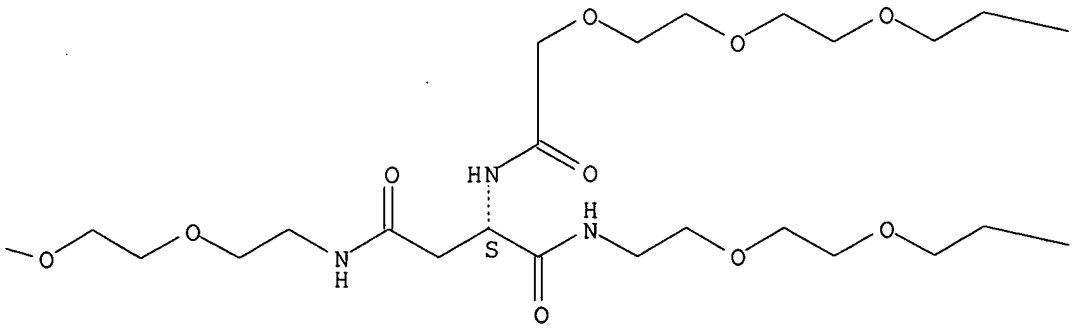

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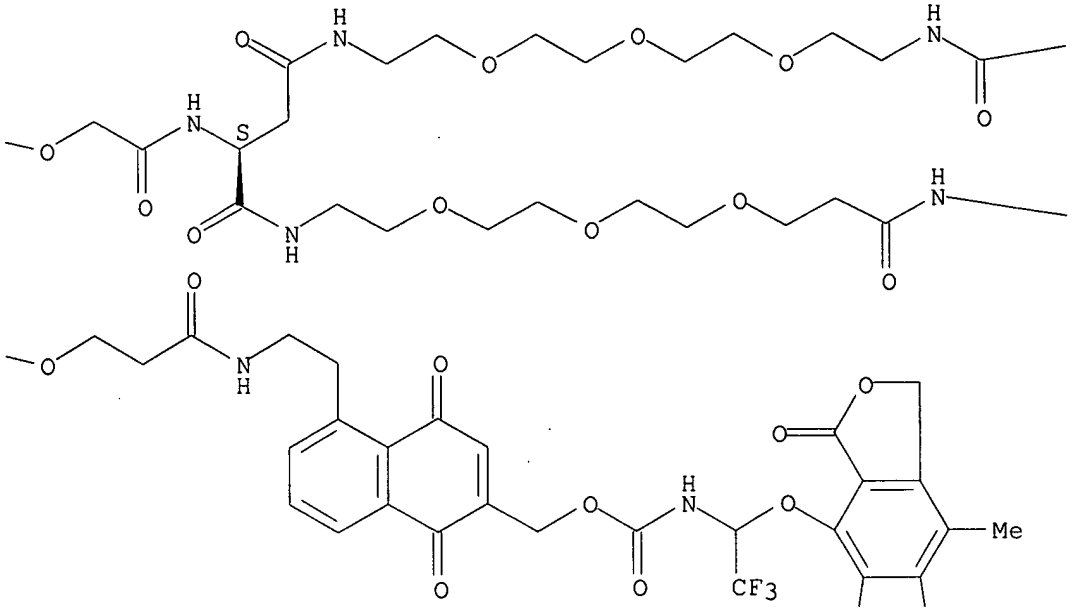

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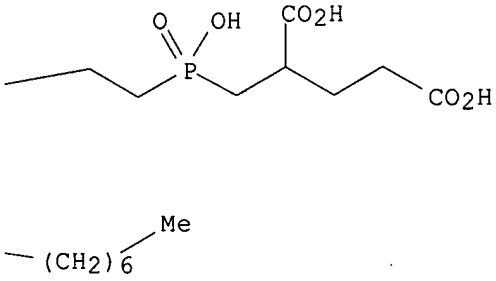

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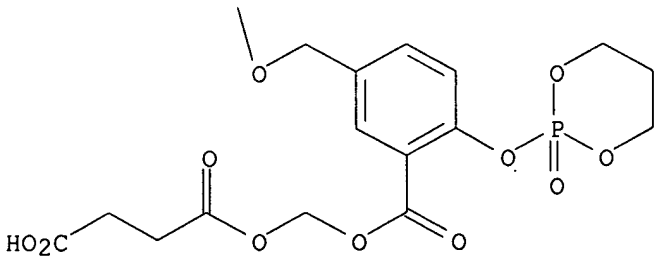

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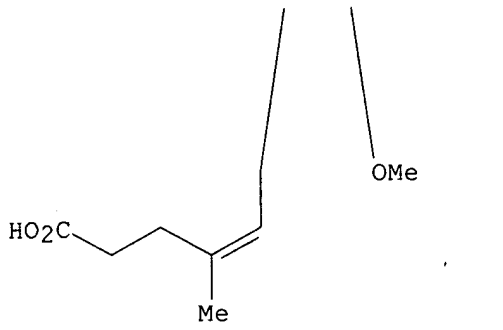

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